

Search history

Search 1: TAC=(SLFGQDVKAV) (Results 1)
Search 2: TAC=(SLFGQDVKAV*) (Results 1)
Search 3: TAC=((peptide* NEAR immunotherap*) AND cancer) (Results 127)
Search 4: TAC=((peptide* NEAR immunotherap*) AND cancer) and CPC=(A61K OR C07K OR A61P) (Results 116)
Search 5: TAC=(Bind* NEAR MHC) and CPC=(A61K OR C07K OR A61P) (Results 964)
Search 6: TAC=((induce* NEAR T cell*)) and CPC=(A61K OR C07K OR A61P) (Results 1536)
Search 7: TAC=(5 AND 6) and CPC=(A61K OR C07K OR A61P) (Results 126)
Search 8: TAC=(4 AND 7) and CPC=(A61K OR C07K OR A61P) (Results 27)

1) Family number: 59403021 (US2016279214A)

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Title: NOVEL PEPTIDES AND COMBINATION OF PEPTIDES FOR USE IN IMMUNOTHERAPY AGAINST VARIOUS TUMORS

Abstract: The present invention relates to peptides, proteins, nucleic acids and cells for use in immunotherapeutic methods. In particular, the present invention relates to the immunotherapy of cancer. The present invention furthermore relates to tumor-associated T-cell peptide epitopes, alone or in combination with other tumor-associated peptides that can for example serve as active pharmaceutical ingredients of vaccine compositions that stimulate anti-tumor immune responses, or to stimulate T cells ex vivo and transfer into patients. Peptides bound to molecules of the major histocompatibility complex (MHC), or peptides as such, can also be targets of antibodies, soluble T-cell receptors, and other binding molecules.

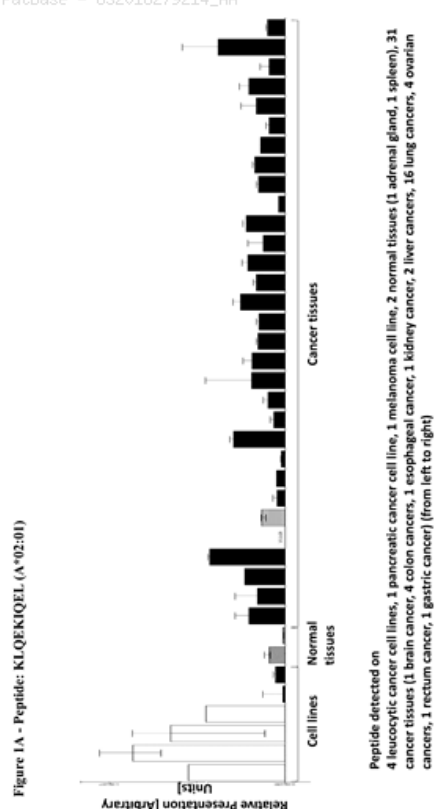
Classifications:

International (IPC 8-9): A61K A61K35/15 A61K35/17 A61K35/76 A61K38/00 A61K38/06 A61K38/08 A61K38/10 A61K38/17 A61K39 A61K39/00 A61K39/39 A61K39/395 A61K45/06 A61K47/00 A61K47/64 A61K48/00 A61K9/08 A61K9/19 A61P35/00 A61P35/02 A61P37/04 A61P39/00 A61P43/00 C07H21/04 C07K C07K14/00 C07K14/47 C07K14/70 C07K14/705 C07K14/725 C07K14/74 C07K16/00 C07K16/18 C07K16/28 C07K16/30 C07K19/00 C07K7/02 C07K7/06 C07K7/08 C07K9/00 C12N15/09 C12N15/115 C12N15/12 C12N15/63 C12N15/64 C12N5/0783 C12N5/10 C12N9/64 C12P21/02 C12Q1/02 C12Q1/68 C12Q1/6827 C12Q1/6869 C12Q1/6886 G01N27/62 G01N33/50 G01N33/53 G01N33/566 G01N33/569 G01N33/574 G01N37/00 (Advanced/Invention); A61K38/00 (Advanced/Non-invention); C07K (Subclass/Invention)

CPC: C07K14/47 A61K45/06 G01N33/566 C07K14/4702 A61K2039/572 C12N9/6491 G01N33/56972 C12N5/0638 C07K16/18 C07K16/2833 G01N2333/7051 C07K2319/40 C12N2502/11 G01N2333/70539 A61K2039/5158 C07K2317/34 C12Y304/24 G01N2333/47 A61K2039/54 C07K7/02 A61K39/0005 A61K38/08 C07K2319/00 C07K2317/31 C07K2317/24 G01N2333/70503 C07K14/4748 C12Q1/6886 C12Q2600/106 C12Q2600/158 G01N2500/10 C07K14/70539 C07K14/001 A61K2039/585 A61K2039/57 A61K38/1774 G01N33/5088 G01N33/505 A61K38/06 A61K39/395 A61P35/00 A61K39/00 A61K2039/505 C12N2310/16 G01N33/57484 A61K38/00 A61K39/0011 C07K7/06 C07K14/7051 C07K16/30 C12N5/0636 C12N2501/998 G01N33/56977 A61K35/17 C07K7/08 C12N15/115

US: 1/1 424/139.1 424/185.1

PatBase - US2016279214_AA



Family:

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Probable Assignee: IMMATICS BIOTECHNOLOGIES GMBH

Assignee(s): (std): IMMATICS BIOTECHNOLOGIES GMBH ; IMMATICS BIOTECHNOLOGY GMBH ; SINGH HARPREET ; STEVERMANN LEA ; MAHR ANDREA ; SCHOOR OLIVER ; WEINSCHENK TONI ; INMATICS BIOTECHNOLOGIES GMBH ; FRITSCHJE JENS

Assignee(s): HERDSTRONG LLC

Inventor(s): (std): FRITSCHJE JENS ; OLIVER SCHOOR ; ANDREA MAHR ; TONI WEINSCHENK ; LEA STEVERMANN ; HARPREET SINGH ; HARPREET DR SINGH ; TONI DR WEINSCHENK ; JENS FRITSCHJE ; OLIVER DR SCHOOR ; LEA DR STEVERMANN ; ANDREA DR MAHR ; WEINSCHENK TONI ; STEVERMANN LEA ; SINGH HARPREET ; SCHOOR OLIVER ; FRITSCHJE JENS ; MAHR ANDREA

Agent(s): PHILLIPS ORMONDE FITZPATRICK ; GOWLING WLG CANADA LLP ; ESTUDIO CLARKE MODET AND CO CHILE LIMITADA ; CAROLINA MERCEDES DAZA MONTALVO ; KRAUSS JAN ; DEACONS ; BUDI RAHMAT SH ; SHOJI TAKASHI ; SUKENOBU YURIKO ; DREW AND NAPIER LLC ; MCBEE MOORE WOODWARD AND VANIK IP LLC ; SUSAN ; MCBEE SUSAN ; BOEHMERT AND BOEHMERT

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

2) Family number: 62237025 (US2017296640A)

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Title: NOVEL PEPTIDES AND COMBINATION OF PEPTIDES FOR USE IN IMMUNOTHERAPY AGAINST NHL AND OTHER CANCERS

Abstract: The present invention relates to peptides, proteins, nucleic acids and cells for use in immunotherapeutic methods. In particular, the present invention relates to the immunotherapy of cancer. The present invention furthermore relates to tumor-associated T-cell peptide epitopes, alone or in combination with other tumor-associated peptides that can for example serve as active pharmaceutical ingredients of vaccine compositions that stimulate anti-tumor immune responses, or to stimulate T cells ex vivo and transfer into patients. Peptides bound to molecules of the major histocompatibility complex (MHC), or peptides as such, can also be targets of antibodies, soluble T-cell receptors, and other binding molecules.

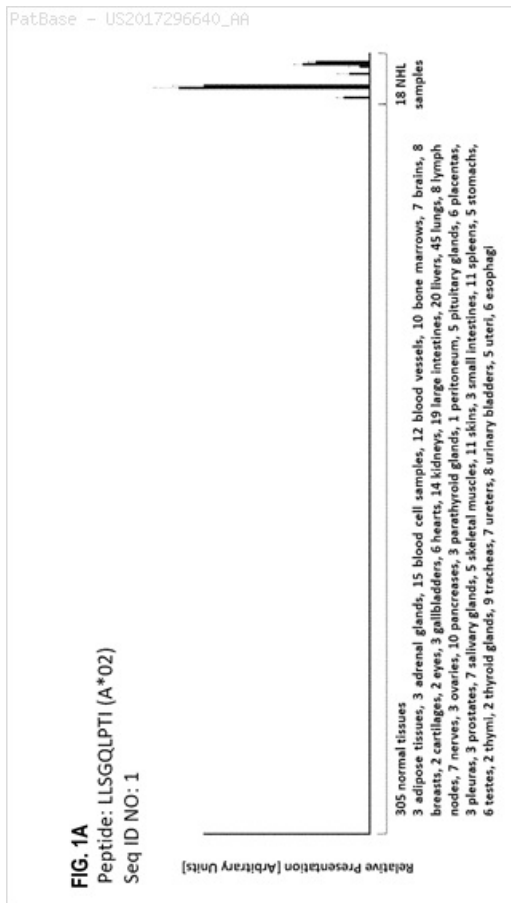
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International (IPC 1-7): C07K14/47

CPC: A61K39/0011 G01N33/57492 C12N15/115 C07K14/705 C07K14/7051 C07K14/70539 C07K16/30 C12N5/0638 C12Q1/6886 A61K2039/5158 C12N2310/16 C12N2501/50 C07K2319/33 C12Q2600/106 C12Q2600/156 C12Q2600/158 A61K39/001114 C07K14/4748

US: 1/1 424/134.1

**Family:**

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Priority:

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Probable Assignee: IMMATICS BIOTECHNOLOGIES GMBH**Assignee(s):** (std): IMMATICS BIOTECHNOLOGIES GMBH**Assignee(s):** MAHR ANDREA ; SCHOOR OLIVER ; SINGH HARPREET ; WEINSCHENK TONI ; WIEBE ANITA ; FRITSCHJE JENS**Inventor(s):** (std): ANITA WIEBE ; HARPREET SINGH ; OLIVER SCHOOR ; JENS FRITSCHJE ; ANDREA MAHR ; TONI WEINSCHENK ; WEINSCHENK TONI ; SINGH HARPREET ; FRITSCHJE JENS ; SCHOOR OLIVER ; WIEBE ANITA ; MAHR ANDREA ; ANITA WIEBE**Inventor(s):** WEIBE ANITA

Agent(s): PHILLIPS ORMONDE FITZPATRICK; GOWLING WLG CANADA LLP; ESTUDIO CLARKE MODET AND CO CHILE LIMITADA; CAROLINA MERCEDES DAZA MONTALVO; KRAUSS JAN; BUDI RAHMAT SH; SHOJI TAKASHI; SUKENOBU YURIKO; MCBEE MOORE WOODWARD AND VANIK IP LLC; MCBEE SUSAN; KRAUSS JAN B

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DJ DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KH KM KN KP KR KW KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

3) Family number: 61803072 (US2017173132A) © PatBase

Title: NOVEL PEPTIDES AND COMBINATION OF PEPTIDES FOR USE IN IMMUNOTHERAPY AGAINST BREAST CANCER AND OTHER CANCERS

Abstract: The present invention relates to peptides, proteins, nucleic acids and cells for use in immunotherapeutic methods. In particular, the present invention relates to the immunotherapy of cancer. The present invention furthermore relates to tumor-associated T-cell peptide epitopes, alone or in combination with other tumor-associated peptides that can for example serve as active pharmaceutical ingredients of vaccine compositions that stimulate anti-tumor immune responses, or to stimulate T cells ex vivo and transfer into patients. Peptides bound to molecules of the major histocompatibility complex (MHC), or peptides as such, can also be targets of antibodies, soluble T-cell receptors, and other binding molecules.

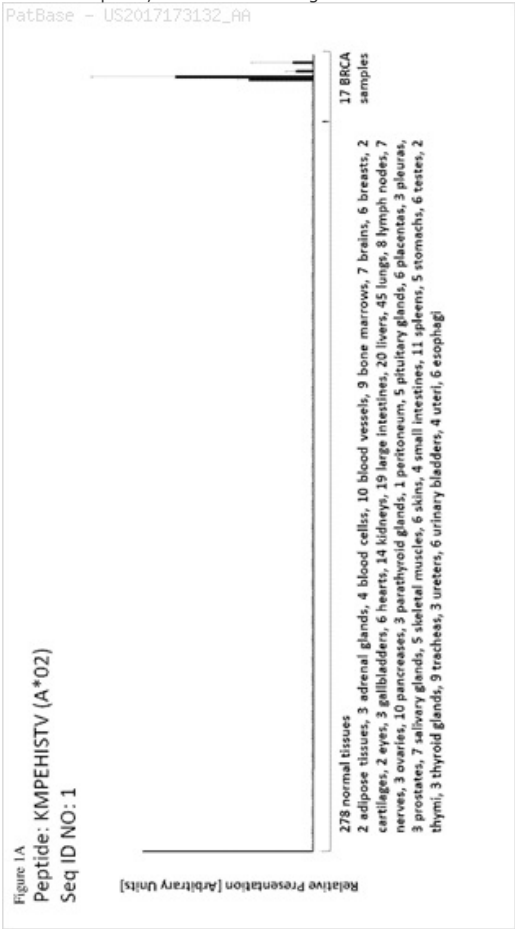
Classifications:

International (IPC 8-9): A61K A61K31/7088 A61K35/17 A61K35/76 A61K38/00 A61K38/08 A61K38/16 A61K38/17 A61K39/00 A61K39/395 A61K48/00 A61P35/00 A61P35/02 A61P37/04 C07K C07K14/47 C07K14/705 C07K14/72 C07K14/725 C07K14/74 C07K16/00 C07K16/28 C07K7/06 C07K7/08 C12N15/115 C12N15/12 C12N15/63 C12N15/85 C12N5/0783 C12N5/10 C12P21/02 C12Q1/02 C12Q1/68 C12Q1/6869 C12Q1/6874 G01N33/574 (Advanced/Invention); A61K35/17 A61K38/00 A61K38/08 A61K39/39 (Advanced/Non-invention); A61K (Subclass/Invention)

International (IPC 1-7): A61K38/17 A61K39/00 C07K14/47 C07K16/28 C07K7/06 C07K7/08

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US: 1/1 424/139.1 424/185.1 424/185.1 424/185.1 424/85.7



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Priority:

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Probable Assignee: IMMATICS BIOTECHNOLOGIES GMBH

Assignee(s): (std): IMMATICS BIOTECHNOLOGIES GMBH ; MAHR ANDREA ; WEINSCHENK TONI ; SCHOOR OLIVER ; SINGH HARPREET ; FRITSCHJE JENS ; HOERZER HELEN

Assignee(s): HORZER HELEN

Inventor(s): (std): MAHR ANDREA ; FRITSCHJE JENS ; SCHOOR OLIVER ; SINGH HARPREET ; WEINSCHENK TONI ; HOERZER HELEN ; HORZER HELEN ; JENS FRITSCHJE ; HELEN HRZER ; HARPREET SIGNH ; TONI WEINSCHENK ; ANDREA MAHR ; OLIVER SCHOOR ; HARPREET SINGH ; HELEN HOERZER

Inventor(s): H RZER HELEN

Agent(s): PHILLIPS ORMONDE FITZPATRICK; GOWLING WLG CANADA LLP; ESTUDIO CLARKE MODET AND CO CHILE LIMITADA; CAROLINA MERCEDES DAZA MONTALVO; KRAUSS JAN; BUDI RAHMAT SH; SHOJI TAKASHI; SUKENOBU YURIKO; MCBEE MOORE WOODWARD AND VANIK IP LLC; MCBEE SUSAN; KRAUSS JAN B

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DJ DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KM KN KP KR KW KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

4) Family number: 45436086 (US2011229504A)

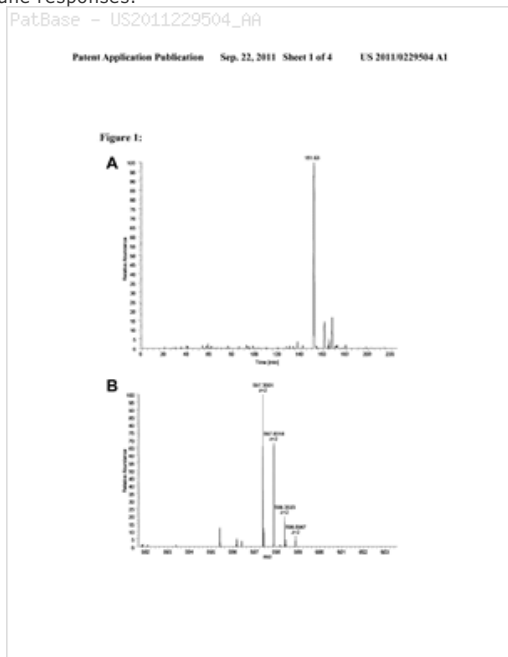
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Title: NOVEL IMMUNOTHERAPY AGAINST SEVERAL TUMORS INCLUDING GASTROINTESTINAL AND GASTRIC CANCER

Abstract: The present invention relates to peptides, nucleic acids and cells for use in immunotherapeutic methods. In particular, the present invention relates to the immunotherapy of cancer. The present invention furthermore relates to tumor-associated cytotoxic T cell (CTL) peptide epitopes, alone or in combination with other tumor-associated peptides that serve as active pharmaceutical ingredients of vaccine compositions that stimulate anti-tumor immune responses. The present invention relates to 95 novel peptide sequences and their variants derived from HLA class I molecules of human tumor cells that can be used in vaccine compositions for eliciting anti-tumor immune responses.

Classifications:

International (IPC 8-9): A61K A61K31/7088 A61K31/7105 A61K31/711 A61K35/00 A61K35/12 A61K35/14 A61K35/15 A61K35/17 A61K35/26 A61K35/76 A61K35/761 A61K38/00 A61K38/04 A61K38/08 A61K38/10 A61K38/16 A61K38/17 A61K39/00 A61K39/385 A61K39/39 A61K39/395 A61K47/02 A61K47/06 A61K47/42 A61K48/00 A61P A61P1/00 A61P1/04 A61P1/18 A61P11/00 A61P13/12 A61P35/00 A61P35/02 A61P37/04 A61P43/00 C07H21/00 C07H21/02 C07H21/04 C07K C07K14/00 C07K14/47 C07K14/705 C07K14/725 C07K14/74 C07K16/18 C07K19/00 C07K7/00 C07K7/06 C07K7/08 C07K9/00 C12N1/00 C12N1/15 C12N1/19 C12N1/21 C12N15/09 C12N15/12 C12N15/62 C12N15/63 C12N15/85 C12N5/0783 C12N5/0784 C12N5/10 C12P21/00 C12P21/02 C12Q1/68 G01N G01N33/50 G01N33/574 (Advanced/Invention); A61P35/00 C07K14/74 C07K14/82 C12N15/09 (Advanced/Non-invention); A61K38/00 A61K38/17 A61K39/00 A61P35/00 C07K7/00 C07K7/06 G01N33/00 (Core/Invention); A61K38/16 A61K39/385 A61K39/395 A61P35/00 C12N15/09 G01N33/574 (Core/Non-invention); A61K A61P C07K G01N (Subclass/Invention)
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US: 1/1 424/184.1 424/184.100S 424/185.1 424/185.100P 424/277.1 424/277.100P 424/277.100S 424/278.1 424/278.100S 424/85.1 424/93.2 424/93.200S 424/93.71 424/93.710S 435/243 435/243S 435/320.1 435/320.100S 435/325 435/325S 435/373 435/375 435/375S 435/377 435/419 435/419S 435/6.11 435/6.110S 435/6.14 435/6.140S 435/69.3 435/69.300S 435/7.23 435/7.230S 514/19.3 514/19.300S 514/19.4 514/19.400S 514/19.5 514/19.500S 514/21.3 514/21.300S 514/21.4 514/21.400S 514/21.5 514/21.500S 514/21.6 514/21.600S 514/44.00RS 514/44R 530/324 530/324S 530/325 530/325S 530/326 530/326S 530/327 530/327S 530/328 530/328S 530/350 530/350S



Family:

Publication number	Publication date	Application number	Application date
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Priority:

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Probable Assignee: IMMATICS BIOTECHNOLOGIES GMBH

Assignee(s): (std): FRITSCHJE JENS ; IMMATICS BIOTECHNOLOGIES GMBH ; LEWANDROWSKI PETER ; SCHORR OLIVER ; INMATICS BIOTECHNOLOGIES GMBH ; SINGH HARPEET ; WALTER STEFFEN ; WEINSCHENK TONI ; SINGH HARPREET

Inventor(s): (std): STEFFEN WALTER ; TONI WEINSCHENK ; JENS FRITSCHJE ; PETER LEWANDROWSKI ; HARPREET SINGH ; SINGH HARPEET ; SCHORR OLIVER ; SCHOOR OLIVER ; SINGH HARPREET ; FRITSCHJE JENS ; WEINSCHENK TONI ; WALTER STEFFEN ; LEWANDROWSKI PETER

Agent(s): PIZZEYS PATENT AND TRADE MARK ATTORNEYS; PIZZEYS PATENT AND TRADE MARK ATTORNEYS PTY LTD; HEENAN BLAICKIE LLP; GOWLING LAFLEUR HENDERSON LLP; GOWLING WLG CANADA LLP; BOEHMERT AND BOEHMERT ANWALTSPARTNERSCHAFT MBB PATENTANWALTE RECHTSANWALTE; KRAUSS JAN; CARPINTERO MARIO; DEACONS; BAHAR SANTOSO SH; SHOJI TAKASHI; SUKENOBU YURIKO; DREW AND NAPIER LLC; MEHMET NAZIM AYDIN DERIS; CANAN OEZTUERKER; MILES AND STOCKBRIDGE PC; MILES AND STOCKBRIDGE; DAVID; SUSAN; MMWV IP LLC; MCBEE MOORE WOODWARD AND VANIK IP LLC; MCBEE SUSAN; BOEHMERT AND BOEHMERT; KRAUSS JAN B ET AL

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PE PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

5) Family number: 61048118 (US2017096461A)

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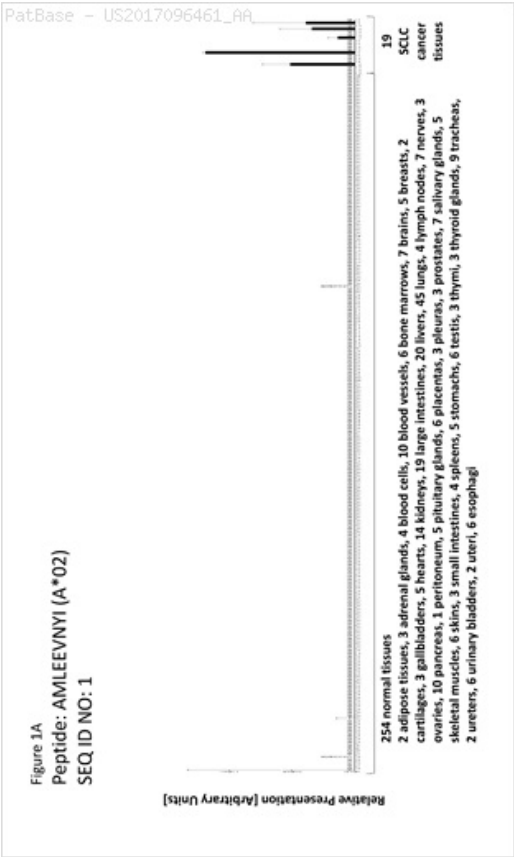
Title: NOVEL PEPTIDES AND COMBINATION OF PEPTIDES FOR USE IN IMMUNOTHERAPY AGAINST SMALL CELL LUNG CANCER AND OTHER CANCERS

Abstract: The present invention relates to peptides, proteins, nucleic acids and cells for use in immunotherapeutic methods. In particular, the present invention relates to the immunotherapy of cancer. The present invention furthermore relates to tumor-associated T-cell peptide epitopes, alone or in combination with other tumor-associated peptides that can for example serve as active pharmaceutical ingredients of vaccine compositions that stimulate anti-tumor immune responses, or to stimulate T cells ex vivo and transfer into patients. Peptides bound to molecules of the major histocompatibility complex (MHC), or peptides as such, can also be targets of antibodies, soluble T-cell receptors, and other binding molecules.

Classifications:

International (IPC 8-9): A61K A61K35/12 A61K35/15 A61K35/17 A61K35/76 A61K38/08 A61K38/10 A61K38/17 A61K39/00 A61K39/395 A61K48/00 A61P1/00 A61P1/04 A61P1/16 A61P1/18 A61P11/00 A61P13/08 A61P13/10 A61P13/12 A61P15/00 A61P17/00 A61P25/00 A61P35/00 A61P35/02 A61P37/04 A61P43/00 C07K C07K14/47 C07K14/705 C07K14/725 C07K14/74 C07K16/28 C07K16/30 C07K19/00 C07K7/06 C07K7/08 C12N15/115 C12N15/12 C12N15/13 C12N15/62 C12N15/63 C12N5/0783 C12N5/10 C12N5/24 C12P21/02 C12P21/08 G01N G01N33/574 G01N33/68 (Advanced/Invention); C07K (Subclass/Invention)
International (IPC 1-7): A61K38/17 A61K39/00 C07K14/47 C07K7/06 G01N33/574
CPC: C07K14/4748 C07K7/06 C07K14/70539 A61K39/0011 C07K16/2833 C07K16/30 C07K14/7051 C12N15/115 C12N5/0636

C12N15/62 C07K2319/40 A61K2039/5158 C12N2310/16
A61K38/1764 G01N33/57423 G01N2800/7028
US: 1/1 424/139.1



Family:

Publication number	Publication date	Application number	Application date
AR106499 AA	20180124	AR2016P103052	20161005
AU2016335177 AA	20180412	AU20160335177	20160930
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EP3359560 A1	20180815	EP20160774689	20160930
GB201517538 A0	20151118	GB20150017538	20151005
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IN201847010254 A	20180330	IN201847010254	20180320
JP2018536383 T2	20181213	JP20180512283T	20160930
KR20180055826 A	20180525	KR20187007972	20160930
MA42021 A1	20180928	MA20160042021	20160930
MX20180004140 A1	20180606	MX20180004140	20160930
PE17992018 A1	20181119	PE20180000322	20160930
PH2018500665 A	20181001	PH20180500665	20180326
SG11201801344S A1	20180427	SG20181101344	20160930
TW201718633 A	20170601	TW20160132155	20161005
US2017096461 AA	20170406	US20160281537	20160930
US2019112347 AA	20190418	US20180233284	20181227
US2019119342 AA	20190425	US20180237279	20181231
US2019161526 AA	20190530	US20180237284	20181231
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US10377802 BB	20190813	US20180233284	20181227
WO17060169 A1	20170413	WO2016EP73416	20160930
ZA201801013 A	20190227	ZA20180001013	20180214

Priority:

GB20150017538 20151005 US20150237091P 20151005 US20160281537 20160930
WO2016EP73416 20160930 US20180233284 20181227 US20180237279 20181231
US20180237284 20181231

Probable Assignee: IMMATICS BIOTECHNOLOGIES GMBH

Assignee(s): (std): FRITSCHJE JENS ; GOLDFINGER VALENTINA ; IMMATICS BIOTECHNOLOGIES GMBH ; MAHR ANDREA ; WEINSCHENK TONI ; SCHOOR OLIVER ; SINGH HARPREET

Inventor(s): (std): MAHR ANDREA ; FRITSCHJE JENS ; SCHOOR OLIVER ; SINGH HARPREET ; GOLDFINGER VALENTINA ; WEINSCHENK TONI ; HARPREET SINGH ; JENS FRITSCHJE ; TONI WEINSCHENK ; ANDREA MAHR ; VALENTINA GOLDFINGER ; OLIVER SCHOOR

Inventor(s): WEINSCHENK TON

Agent(s): PHILLIPS ORMONDE FITZPATRICK; GOWLING WLG CANADA LLP; ESTUDIO CLARKE MODET AND CO CHILE LIMITADA; CAROLINA MERCEDES DAZA MONTALVO; KRAUSS JAN; BUDI RAHMAT SH; SHOJI TAKASHI; SUKENOBU YURIKO; MCBEE MOORE WOODWARD AND VANIK IP LLC; MCBEE SUSAN;

Designated states: BOEHMERT AND BOEHMERT
AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR
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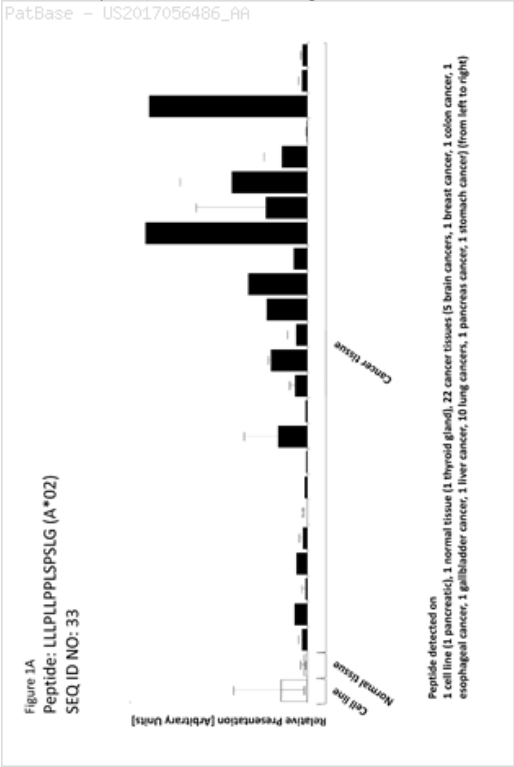
6) Family number: 60724218 (US2017056486A) PatBase

Title: NOVEL PEPTIDES, COMBINATION OF PEPTIDES AND SCAFFOLDS FOR USE IN IMMUNOTHERAPEUTIC TREATMENT OF VARIOUS CANCERS

Abstract: The present invention relates to peptides, proteins, nucleic acids and cells for use in immunotherapeutic methods. In particular, the present invention relates to the immunotherapy of cancer. The present invention furthermore relates to tumor-associated T-cell peptide epitopes, alone or in combination with other tumor-associated peptides that can for example serve as active pharmaceutical ingredients of vaccine compositions that stimulate anti-tumor immune responses, or to stimulate T cells ex vivo and transfer into patients. Peptides bound to molecules of the major histocompatibility complex (MHC), or peptides as such, can also be targets of antibodies, soluble T-cell receptors, and other binding molecules.

Classifications:

International (IPC 8-9): A61K A61K35/00 A61K35/15 A61K35/17
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A61P35/00 H04B3/50 (Advanced/Non-invention);
A61K (Subclass/Invention)
International (IPC 1-7): A61K39/00 A61P35/00 C07K14/47
CPC: C07K7/06 C07K7/08 C07K14/70539 C12N5/0636 C07K16/3076
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A61K39/0011 C07K14/4748 C12N15/115 C12N2310/16
G01N33/57484 C07K14/7051 H04B3/50 H04L1/1854 H04L69/16
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US: 1/1 375/222 424/136.1 424/139.1



Family:

Publication number	Publication date	Application number	Application date
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AU2016313684 AA	20180412	AU20160313684	20160826
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WO17036936 A1	20170309	WO2016EP70146	20160826
WO17040034 A1	20170309	WO2016US47223	20160816
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Priority:

WO2016EP70146	20150515	GB20150015321	20150828	US20150211276P	20150828
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IN201847009555	20180316	US20180982293	20180517	US20180982500	20180517
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Probable Assignee: QUALCOMM INC

Assignee(s): (std): FRITSCHJE JENS ; IMMATICS BIOTECHNOLOGIES GMBH ; MAHR ANDREA ; QUALCOMM INC ; WEINSCHENK TONI ; SCHOOR OLIVER ; SINGH HARPREET

Inventor(s): (std): SCHOOR OLIVER ; WEINSCHENK TONI ; FRITSCHJE JENS ; SINGH HARPREET ; MAHR ANDREA ; SOMANI NEHAL ; MUDIREDY SRINIVAS REDDY ; CHHABRA GURVINDER SINGH ; VENKATSURESH AJAY ; MEYLAN ARNAUD ; MITRA ALOK ; NAIR SUJIT ; NITINAWARAT SIRIN ; KUMAR VAIBHAV ; OLIVER DR SCHOOR ; TONI DR WEINSCHENK ; ANDREA DR MAHR ; JENS FRITSCHJE ; HARPREET DR SINGH ; TONI WEINSCHENK ; ANDREA MAHR ; HARPREET SINGH ; OLIVER SCHOOR

Agent(s): PHILLIPS ORMONDE FITZPATRICK; GOWLING WLG CANADA LLP; ESTUDIO CLARKE MODET AND CO CHILE LIMITADA; CLARKE MODET AND CO CHILE LTDA; CAROLINA MERCEDES DAZA MONTALVO; KRAUSS JAN; WEGNER HANS; DEACONS; BUDI RAHMAT SH; SHOJI TAKASHI; SUKENOBU YURIKO; DREW AND NAPIER LLC; ARENT FOX LLP; MCBEE MOORE WOODWARD AND VANIK IP LLC; MCBEE SUSAN; BOEHMERT AND BOEHMERT; GELFOUND CRAIG A ET AL

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

7) Family number: 70644264 (US2018222961A)

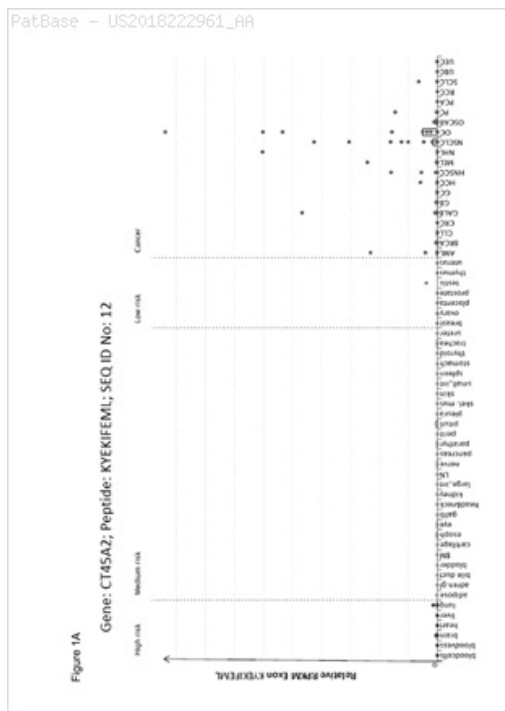
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Title: NOVEL PEPTIDES AND COMBINATION OF PEPTIDES FOR USE IN IMMUNOTHERAPY AGAINST OVARIAN CANCER AND OTHER CANCERS

Abstract: The present invention relates to peptides, proteins, nucleic acids and cells for use in immunotherapeutic methods. In particular, the present invention relates to the immunotherapy of cancer. The present invention furthermore relates to tumor-associated T-cell peptide epitopes, alone or in combination with other tumor-associated peptides that can for example serve as active pharmaceutical ingredients of vaccine compositions that stimulate anti-tumor immune responses, or to stimulate T cells ex vivo and transfer into patients. Peptides bound to molecules of the major histocompatibility complex (MHC), or peptides as such, can also be targets of antibodies, soluble T-cell receptors, and other binding molecules.

Classifications:

International (IPC 8-9): A61K38/19 A61K39/00 A61K39/395 A61P35/00 C07K14/47 C07K14/705 C07K14/715 C07K14/725 C07K14/74 C07K16/28 C07K7/06 C07K7/08 C12N15/12 C12N15/63 C12N5/0783 C12P21/02 C12P21/08 C12Q1/68 C12Q1/6886 G06F19/22 (Advanced/Invention)
CPC: C07K14/70539 C07K16/2833 A61P35/00 A61K39/00 C12Q1/6886 C07K2317/34 C07K14/4748 C07K14/705 C12Q2600/156 A61K39/0011 A61K2039/892 C07K16/2818 G16B30/00 A61K39/001102 A61K39/001138 A61K39/001148 A61K39/001149 A61K39/001152 A61K39/001154 A61K39/001162 A61K39/001163 A61K39/001166 A61K39/00117
US: 1/1 424/139.1



Family:

Publication number	Publication date	Application number	Application date
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TW201831507 A	20180901	TW20180102867	20180126
US2018222961 AA	20180809	US20180881078	20180126
WO18138257 A1	20180802	WO2018EP51952	20180126

Priority:

DE201710101671 20170127 US20170451255P 20170127 US20180881078 20180126
WO2018EP51952 20180126

Probable Assignee: IMMATICS BIOTECHNOLOGIES GMBH

Assignee(s): (std): IMMATICS BIOTECHNOLOGIES GMBH

Inventor(s): (std): SCHUSTER HEIKO ; PEPPER JANET ; ROEHLE KEVIN ; WAGNER PHILIPP ; RAMMENSEE HANS GEORG ; ROHLE KEVIN ; DR RER NAT SCHUSTER HEIKO ; DR RER NAT PEPPER JANET ; RHLE KEVIN ; GEORG WAGNER PHILIPP ; RAMMENSEE HANS

Agent(s): PHILLIPS ORMONDE FITZPATRICK; BUDI RAHMAT SH; BOEHMERT AND BOEHMERT

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DJ DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JO JP KE KG KH KM KN KP KR KW KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

8) Family number: 71453299 (US2018291082A)

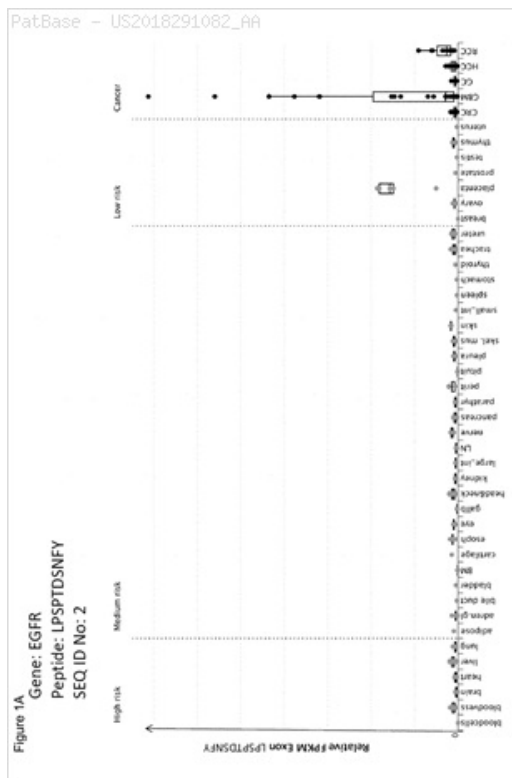
© PatBase

Title: PEPTIDES AND COMBINATION THEREOF FOR USE IN THE IMMUNOTHERAPY AGAINST CANCERS

Abstract: The present invention relates to peptides, proteins, nucleic acids and cells for use in immunotherapeutic methods. In particular, the present invention relates to the immunotherapy of cancer. The present invention furthermore relates to tumor-associated T-cell peptide epitopes, alone or in combination with other tumor-associated peptides that can for example serve as active pharmaceutical ingredients of vaccine compositions that stimulate anti-tumor immune responses, or to stimulate T cells ex vivo and transfer into patients. Peptides bound to molecules of the major histocompatibility complex (MHC), or peptides as such, can also be targets of antibodies, soluble T-cell receptors, and other binding molecules.

Classifications:

International (IPC 8-9): A61K35/17 A61K38/04 A61K39/00
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US: 1/1 424/139.1



Family:

Publication number	Publication date	Application number	Application date
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Priority:

DE201710107697 20170410 US20170483702P 20170410 US20180949665 20180410

Probable Assignee: IMMATICS BIOTECHNOLOGIES GMBH

Assignee(s): (std): IMMATICS BIOTECHNOLOGIES GMBH

Inventor(s): (std): WALZ JULIANE SARAH ; KOWALEWSKI DANIEL ; LOEFFLER MARKUS ; DI MARCO MORENO ; TRAUTWEIN NICO ; NELDE ANNIKA ; STEVANOVIC STEFAN ; RAMMENSEE HANS GEORG ; HAEN SEBASTIAN ; LOFFLER MARKUS ; LFFLER MARKUS

Agent(s): KRAUSS JAN B

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DJ DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JO JP KE KG KH KM KN KP KR KW KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

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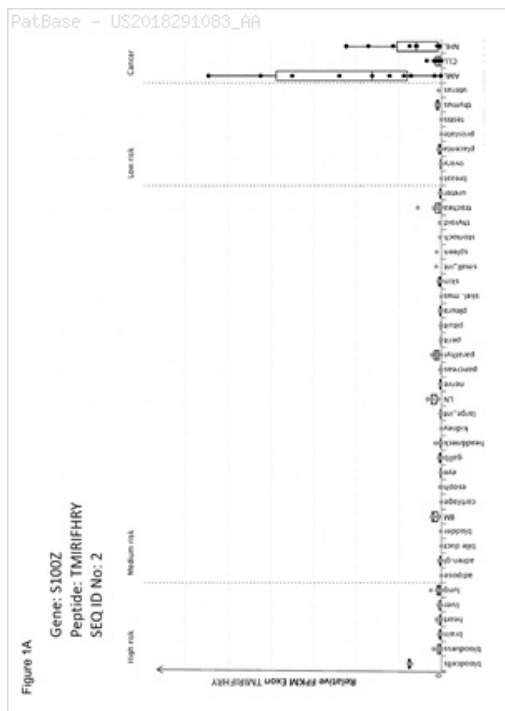
© PatBase

Title: PEPTIDES AND COMBINATION OF PEPTIDES FOR USE IN IMMUNOTHERAPY AGAINST LEUKEMIAS AND OTHER CANCERS

Abstract: The present invention relates to peptides, proteins, nucleic acids and cells for use in immunotherapeutic methods. In particular, the present invention relates to the immunotherapy of cancer. The present invention furthermore relates to tumor-associated T-cell peptide epitopes, alone or in combination with other tumor-associated peptides that can for example serve as active pharmaceutical ingredients of vaccine compositions that stimulate anti-tumor immune responses, or to stimulate T cells ex vivo and transfer into patients. Peptides bound to molecules of the major histocompatibility complex (MHC), or peptides as such, can also be targets of antibodies, soluble T-cell receptors, and other binding molecules.

Classifications:

International (IPC 8-9): A61K35/17 A61K39/00 A61K39/395 A61P35/00 C07K14/47 C07K14/705 C07K14/725 C07K14/74 C07K16/28 C12N15/115 C12N5/0783 C12N5/10 G01N33/50 G01N33/53 (Advanced/Invention); A61P35/00 (Advanced/Non-invention)
CPC: C07K14/70539 C07K16/2833 C07K14/7051 C12N15/115 C12N5/0636 A61K38/00 A61P35/00 A61K39/0011 C07K2319/70 C12N2310/16 A61K35/17 C07K14/4748 C07K2319/00
US: 1/1 424/139.1



Family:

Publication number	Publication date	Application number	Application date
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Priority:

DE201710107710 20170410 US20170483690P 20170410 US20180949884 20180410

Probable Assignee: IMMATICS BIOTECHNOLOGIES GMBH

Assignee(s): (std): IMMATICS BIOTECHNOLOGIES GMBH

Inventor(s): (std): WALZ JULIANE SARAH ; KOWALEWSKI DANIEL ; LOEFFLER MARKUS ; DI MARCO MORENO ; TRAUTWEIN NICO ; NELDE ANNIKA ; STEVANOVIC STEFAN ; RAMMENSEE HANS GEORG ; HAEN SEBASTIAN ; LOFFLER MARKUS ; RAMMENSEE HANS ; LFFLER MARKUS ; GEORG STEVANOVIC STEFAN

Agent(s): KRAUSS JAN B

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DJ DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JO JP KE KG KH KM KN KP KR KW KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

10) Family number: 60563345 (US2017037089A)

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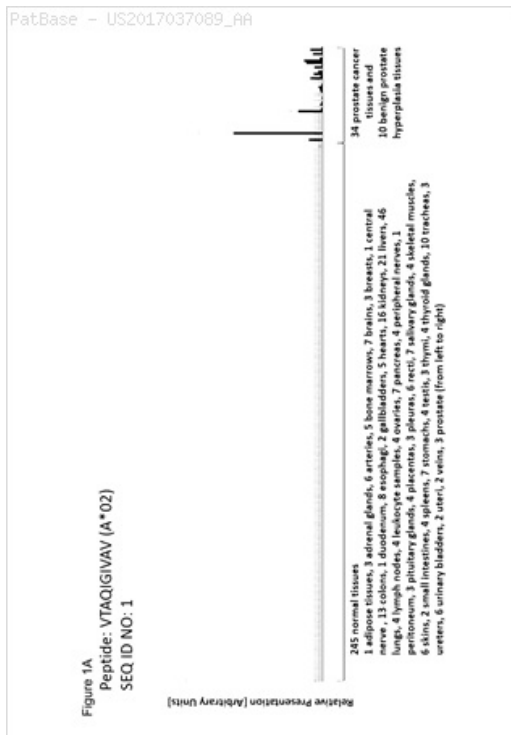
Title: NOVEL PEPTIDES AND COMBINATION OF PEPTIDES FOR USE IN IMMUNOTHERAPY AGAINST PROSTATE CANCER AND OTHER CANCERS

Abstract: The present invention relates to peptides, proteins, nucleic acids and cells for use in immunotherapeutic methods. In particular, the present invention relates to the immunotherapy of cancer. The present invention furthermore relates to tumor-associated T-cell peptide epitopes, alone or in combination with other tumor-associated peptides that can for example serve as active pharmaceutical ingredients of vaccine compositions that stimulate anti-tumor immune responses, or to stimulate T cells ex vivo and transfer into patients. Peptides bound to molecules of the major histocompatibility complex (MHC), or peptides as such, can also be targets of antibodies, soluble T-cell receptors, and other binding molecules.

Classifications:

International (IPC 8-9): A61K A61K31/7088 A61K35/12 A61K35/17 A61K35/76 A61K38/00 A61K38/08 A61K39/00 A61K39/395 A61K48/00 A61K9/08 A61K9/10 A61K9/19 A61P A61P35/00 C07K C07K14/47 C07K14/715 C07K14/725 C07K16/18 C07K16/28 C07K16/30 C07K19/00 C07K7/06 C07K7/08 C12N15/07 C12N15/09 C12N15/115 C12N15/13 C12N15/62 C12N15/63 C12N5/0783 C12N5/10 C12P21/02 C12Q1/68 C12Q1/6886 G01N33/53 G01N33/574 G01N33/68 (Advanced/Invention); A61K38/00 (Advanced/Non-invention); C07K (Subclass/Invention)

International (IPC 1-7): A61K39/00 A61P35/00 C07K14/47
CPC: C07K16/30 C07K14/7051 C12N5/0636 C12N15/115 C12Q1/6886 G01N33/5748 C07K2319/00 A61K38/00 C12Q2600/106 C12Q2600/156 C12Q2600/158 C12Q2600/16 G01N2570/00 G01N2800/52 G01N33/57407 C07K14/4748 C12N2310/16 G01N33/6848 A61K2039/5158 A61K2039/572 C07K7/06 A61K35/17 C07K7/08 G01N33/574 C07K2317/34 A61K39/0011 C07K14/47
US: 1/1 424/185.1 424/277.1

**Family:**

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AR105817 AA	20171115	AR2016P102395	20160804
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Priority:

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Probable Assignee: IMMATICS BIOTECHNOLOGIES GMBH**Assignee(s):** (std): FRITSCHJE JENS ; GOLDFINGER VALENTINA ; IMMATCS BOTECHNOLOGES GMBH ; IMMATICS BIOTECHNOLOGIES GMBH ; IMMATICS BIOTECHNOLOGY GMBH ; MAHR ANDREA ; WEINSCHENK TONI

Assignee(s): ; SCHOOR OLIVER ; SINGH HARPREET ; MULLER PHILLIP ; LEIBOLD JULIA
IMMATIES BIOTECHNOLOGIES GMBH
Inventor(s): (std): HARPREET SINGH ; JENS FRITSCHKE ; PHILLIP MLLER ; TONI WEINSCHENK ; ANDREA MAHR ;
VALENTINA GOLDFINGER ; JULIA LEIBOLD ; OLIVER SCHOOR ; GOLDFNGER VALENTNA ; WENSCHENK
TON ; SCHOOR OLVER ; MULLER PHLLP ; FRTSCHKE JENS ; LEBOLD JULA ; SNHG HARPREET ; PHILLIP
MUELLER ; SINGH HARPREEF ; LEIBOLD JULIA ; WEINSCHENK TONI ; GOLDFINGER VALENTINA ; SINGH
HARPREET ; SCHOOR OLIVER ; FRITSCHKE JENS ; MUELLER PHILLIP ; MAHR ANDREA ; MULLER PHILLIP
Agent(s): PHILLIPS ORMONDE FITZPATRICK; GOWLING WLG CANADA LLP; ESTUDIO CLARKE MODET AND CO
CHILE LIMITADA; KRAUSS JAN; DEACONS; BUDI RAHMAT SH; SHOJI TAKASHI; SUKENOBU YURIKO;
MCBEE MOORE WOODWARD AND VANIK IP LLC; SUSAN; MCBEE SUSAN; BOEHMERT AND BOEHMERT
Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR
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11) Family number: 60173417 (US2016368965A) PatBase

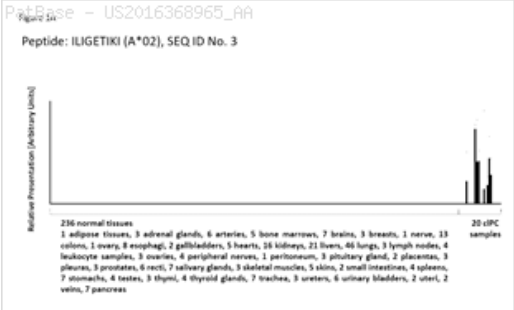
Title: NOVEL PEPTIDES AND COMBINATION OF PEPTIDES FOR USE IN IMMUNOTHERAPY AND METHODS FOR GENERATING SCAFFOLDS FOR THE USE AGAINST PANCREATIC CANCER AND OTHER CANCERS

Abstract: The present invention relates to peptides, proteins, nucleic acids and cells for use in immunotherapeutic methods. In particular, the present invention relates to the immunotherapy of cancer. The present invention furthermore relates to tumor-associated T-cell peptide epitopes, alone or in combination with other tumor-associated peptides that can for example serve as active pharmaceutical ingredients of vaccine compositions that stimulate anti-tumor immune responses, or to stimulate T cells ex vivo and transfer into patients. Peptides bound to molecules of the major histocompatibility complex (MHC), or peptides as such, can also be targets of antibodies, soluble T-cell receptors, and other binding molecules.

Classifications:

International (IPC 8-9): A61K A61K35/15 A61K35/76 A61K38/08
A61K39/00 A61K39/385 A61K39/395 A61K51/10 A61K9/08
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G01N33/574 (Advanced/Invention);
C07K (Subclass/Invention)

CPC: C07K14/70539 C07K16/303 C07K16/2833 A61K51/1057
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C07K14/7051 C12Q1/6886 C07K14/4748
US: 1/1 424/1.49



Family:

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Priority:

GB20150010771 20150619 US20150182026P 20150619 US20160185990 20160617
WO2016EP63976 20160617 US20180984681 20180521 US20180984690 20180521

Probable Assignee: IMMATIC BIOTECHNOLOGIES GMBH

Assignee(s): (std): FRITSCHKE JENS ; IMMATIC BIOTECHNOLOGIES GMBH ; MAHR ANDREA ; SCHOOR OLIVER ; SINGH HARPREET ; WEINSCHENK TONI

Inventor(s): (std): SCHOOR OLIVER ; WEINSCHENK TONI ; FRITSCHKE JENS ; SINGH HARPREET ; MAHR ANDREA ; TONI

Agent(s):

PHILLIPS ORMONDE FITZPATRICK; GOWLING WLG CANADA LLP; ESTUDIO CLARKE MODET AND CO CHILE LIMITADA; CAROLINA MERCEDES DAZA MONTALVO; KRAUSS JAN; DEACONS; BUDI RAHMAT SH; SHOJI TAKASHI; SUKENOBU YURIKO; MCBEE MOORE WOODWARD AND VANIK IP LLC; BOEHMERT AND BOEHMERT

Designated states:

AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

12) Family number: 59286437 (US2017165335A)

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Title: NOVEL PEPTIDES AND COMBINATION OF PEPTIDES FOR USE IN IMMUNOTHERAPY AGAINST PANCREATIC CANCER AND OTHER CANCERS

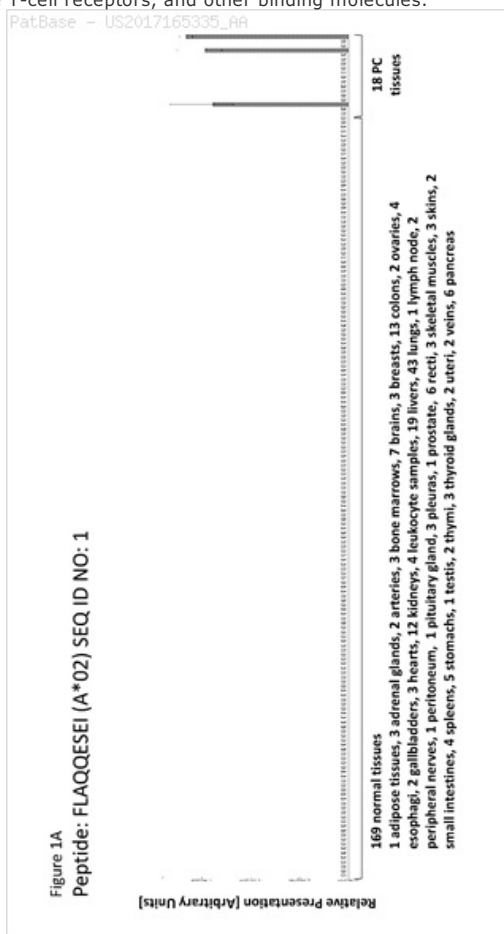
Abstract: The present invention relates to peptides, proteins, nucleic acids and cells for use in immunotherapeutic methods. In particular, the present invention relates to the immunotherapy of cancer. The present invention furthermore relates to tumor-associated T-cell peptide epitopes, alone or in combination with other tumor-associated peptides that can for example serve as active pharmaceutical ingredients of vaccine compositions that stimulate anti-tumor immune responses, or to stimulate T cells ex vivo and transfer into patients. Peptides bound to molecules of the major histocompatibility complex (MHC), or peptides as such, can also be targets of antibodies, soluble T-cell receptors, and other binding molecules.

Classifications:

International (IPC 8-9): A61K A61K31/7088 A61K35/12 A61K35/15 A61K35/17 A61K35/76 A61K35/761 A61K38/08 A61K38/17 A61K39/00 A61K48/00 A61P1/00 A61P1/16 A61P1/18 A61P11/00 A61P13/08 A61P13/12 A61P15/00 A61P17/00 A61P25/00 A61P35/00 A61P35/02 C07K C07K14/47 C07K14/705 C07K14/725 C07K14/74 C07K16/18 C07K16/28 C07K19/00 C12N15/09 C12N15/115 C12N15/12 C12N15/63 C12N15/85 C12N5/0783 C12N5/0784 C12N5/10 C12N5/16 C12Q1/68 (Advanced/Invention); A61K38/00 (Advanced/Non-invention); A61K (Subclass/Invention)

CPC: C07K16/18 C12N15/115 A61K2039/5158 C12N2310/16 A61K39/0011 C07K16/2833 A61K35/17 C12N5/0636 C12N5/0639 A61K2039/505 C12N2510/00 A61K38/00 C07K14/4748 C07K14/70539 C07K2319/00 A61K39/001174

US: 1/1 424/139.1

**Family:**

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KR20170126929 A	20171120	KR20177025935	20160317
MA40713 A1	20181130	MA20160040713	20160317

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Priority:

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Probable Assignee: IMMATICS BIOTECHNOLOGIES GMBH

Assignee(s): (std): FRITSCHJE JENS ; IMMATICS BIOTECHNOLOGIES GMBH ; MAHR ANDREA ; OTT MARTINA ; WAGNER CLAUDIA ; SINGH HARPREET ; WEINSCHENK TONI ; SCHOOR OLIVER

Inventor(s): (std): SINGH HARPREET ; WAGNER CLAUDIA ; MAHR ANDREA ; SCHOOR OLIVER ; FRITSCHJE JENS ; OTT MARTINA ; WEINSCHENK TONI ; ANDREA DR MAHR ; OLIVER DR SCHOOR ; JENS FRITSCHJE ; TONI DR WEINSCHENK ; MARTINA DR OTT ; HARPREET DR SINGH ; CLAUDIA DR WAGNER ; TONI WEINSCHENK ; HARPREET SINGH ; ANDREA MAHR ; MARTINA OTT ; CLAUDIA WAGNER ; OLIVER SCHOOR ; MAHT ANDREA

Agent(s): PHILLIPS ORMONDE FITZPATRICK; GOWLING WLG CANADA LLP; ESTUDIO CLARKE MODET AND CO CHILE LIMITADA; CLARKE MODET AND CO CHILE LIMITADA; CAROLINA MERCEDES DAZA MONTALVO; KRAUSS JAN; DEACONS; BUDI RAHMAT SH; SHOJI TAKASHI; SUKENOBU YURIKO; MCBEE MOORE WOODWARD AND VANIK IP LLC; MCBEE SUSAN; BOEHMERT AND BOEHMERT

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

13) Family number: 61744461 (US2017165337A)

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Title: NOVEL PEPTIDES AND COMBINATION OF PEPTIDES FOR USE IN IMMUNOTHERAPY AGAINST CLL AND OTHER CANCERS

Abstract: The present invention relates to peptides, proteins, nucleic acids and cells for use in immunotherapeutic methods. In particular, the present invention relates to the immunotherapy of cancer. The present invention furthermore relates to tumor-associated T-cell peptide epitopes, alone or in combination with other tumor-associated peptides that can for example serve as active pharmaceutical ingredients of vaccine compositions that stimulate anti-tumor immune responses, or to stimulate T cells ex vivo and transfer into patients. Peptides bound to molecules of the major histocompatibility complex (MHC), or peptides as such, can also be targets of antibodies, soluble T-cell receptors, and other binding molecules.

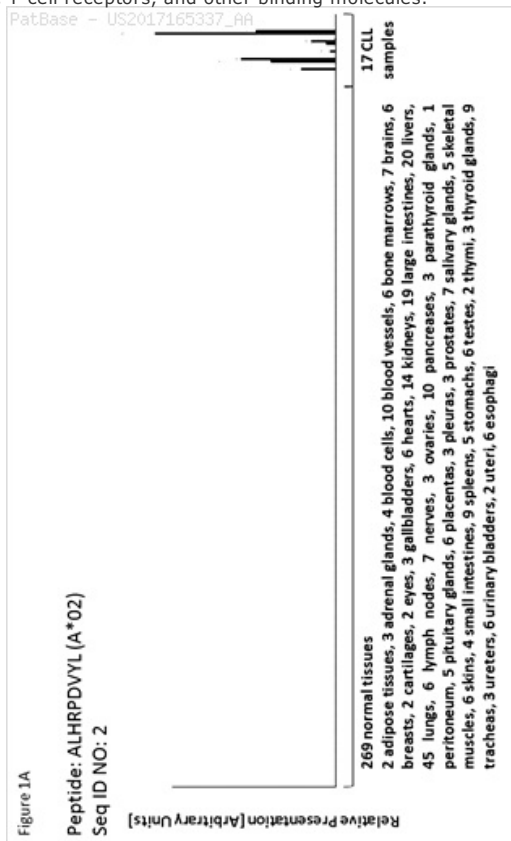
Classifications:

International (IPC 8-9): A61K A61K35/17 A61K38/00 A61K38/08 A61K38/10 A61K39/00 A61K39/395 A61P1/00 A61P1/04 A61P1/16 A61P1/18 A61P11/00 A61P13/08 A61P13/10 A61P13/12 A61P15/00 A61P17/00 A61P25/00 A61P35/00 A61P35/02 A61P7/00 C07K C07K1/00 C07K14/00 C07K14/47 C07K14/705 C07K14/725 C07K14/74 C07K16/28 C07K16/30 C07K19/00 C07K7/04 C07K7/06 C07K7/08 C12N15/06 C12N15/115 C12N15/12 C12N15/13 C12N15/62 C12N15/63 C12N15/85 C12N5/0783 C12N5/10 C12P21/02 C12P21/08 G01N33/574 (Advanced/Invention); A61K35/17 A61K38/00 (Advanced/Non-invention); A61K (Subclass/Invention)

International (IPC 1-7): C07K14/47

CPC: G01N33/574 A61K2039/505 A61K38/00 C07K14/4748 C07K14/47 A61K39/0011 A61K2039/5158 C07K7/06 C07K7/08 C07K14/7051 C07K16/2833 C07K16/30 C12N5/0636 C12N15/115 A61K35/17 C07K14/70539 C07K2317/34 C12N2310/16

US: 1/1 424/134.1 424/139.1



Family:

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ZA201801752 A	20190130	ZA20180001752	20180314

Priority:

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US20160374480	20161209	US20180054503	20180803	US20180109406	20180822
US20180109427	20180822	US20180109436	20180822	US20180109451	20180822

Probable Assignee: IMMATICS BIOTECHNOLOGIES GMBH

Assignee(s): (std): FRITSCH JENS ; IMMATICS BIOTECHNOLOGIES GMBH ; MAHR ANDREA ; SCHOOR OLIVER ; WEINSCHENK TONI ; WIEBE ANITA ; SINGH HARPREET

Inventor(s): (std): SCHOOR OLIVER ; MAHR ANDREA ; FRITSCH JENS ; WIEBE ANITA ; SINGH HARPREET ; WEINSCHENK TONI ; JENS FRITSCH ; HARPREET SINGH ; TONI WEINSCHENK ; ANDREA MAHR ; ANITA WIEBE ; OLIVER SCHOOR ; HARPREET SINGH

Agent(s): PHILLIPS ORMONDE FITZPATRICK; GOWLING WLG CANADA LLP; ESTUDIO CLARKE MODET AND CO CHILE LIMITADA; KRAUSS JAN; BUDI RAHMAT SH; SHOJI TAKASHI; SUKENOBU YURIKO; MCBEE MOORE WOODWARD AND VANIK IP LLC; MCBEE SUSAN; MCBEE MOOR WOODWARD AND VANIK IP LLC; BOEHMERT AND BOEHMERT

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DJ DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KM KN KP KR KW KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

14) Family number: 60353463 (US2017029486A)

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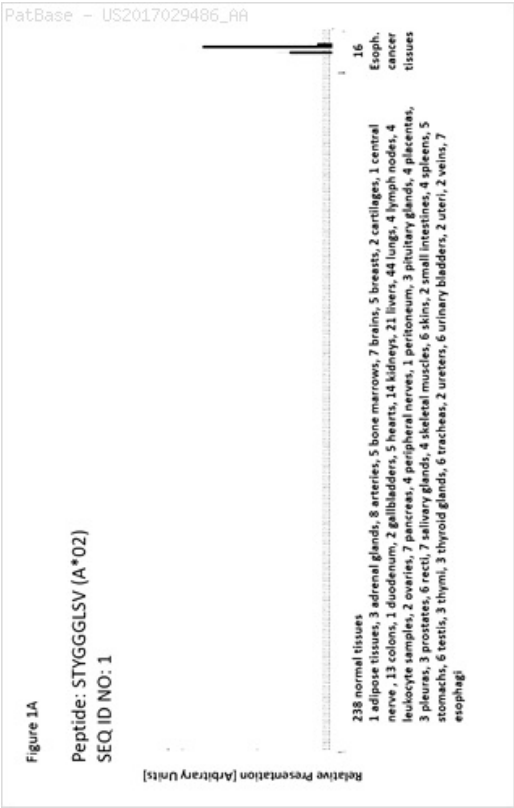
Title: NOVEL PEPTIDES AND COMBINATION OF PEPTIDES FOR USE IN IMMUNOTHERAPY AGAINST ESOPHAGEAL CANCER AND OTHER CANCERS

Abstract: The present invention relates to peptides, proteins, nucleic acids and cells for use in immunotherapeutic methods. In particular, the present invention relates to the immunotherapy of cancer. The present invention furthermore relates to tumor-associated T-cell peptide epitopes, alone or in combination with other tumor-associated peptides that can for example serve as active pharmaceutical ingredients of vaccine compositions that stimulate anti-tumor immune responses, or to stimulate T cells ex vivo and transfer into patients. Peptides bound to molecules of the major histocompatibility complex (MHC), or peptides as such, can also be targets of antibodies, soluble T-cell receptors, and other binding molecules.

Classifications:

International (IPC 8-9): A61K A61K35/17 A61K38/00 A61K38/08 A61K38/10 A61K38/16 A61K39/00 A61K39/395 A61P35/00 C07K C07K14/47 C07K14/635 C07K14/705 C07K14/725 C07K14/74 C07K16/28 C12N15/115 C12N15/12 C12N15/13 C12N15/85 C12N5/0783 C12N5/10 C12P21/02 C12Q1/68 C12Q1/6837 C12Q1/6886 G01N33/574 (Advanced/Invention); A61K38/00 (Advanced/Non-invention); C07K (Subclass/Invention)

International (IPC 1-7): A61K39/00 C07K14/47 C07K14/635 **CPC:** A61K35/17 C12N5/0636 C12N15/115 C12N2310/16 C12N2510/00 A61K38/00 A61K39/0011 A61K39/00 C07K14/70539 C07K14/4748 C07K14/635 C07K14/7051 C07K16/2833 C07K2319/70 C12N5/0638 C12Q1/6886 C12Q2600/156 C12Q2600/158 C12Q2600/16 G01N33/57484



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Priority:

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Probable Assignee: IMMATICS BIOTECHNOLOGIES GMBH

Assignee(s): (std): FRITSCH JENS ; IMMATICS BIOTECHNOLOGIES GMBH ; IMMATICS BIOTECHNOLOGIES GMBH ; MAHR ANDREA ; SINGH HARPREET ; WEINSCHENK TONI ; SCHOOR OLIVER ; SONG COLETTE

Inventor(s): (std): OLIVER SCHOOR ; COLETTE SONG ; ANDREA MAHR ; TONI WEINSCHENK ; JENS FRITSCH ; HARPREET SINGH ; WEINSCHENK TONI ; SINGH HARPREET ; FRITSCH JENS ; SONG COLETTE ; SCHOOR OLIVER ; MAHR ANDREA

Agent(s): PIZZEYS PATENT AND TRADE MARK ATTORNEYS PTY LTD; GOWLING WLG CANADA LLP; ESTUDIO CLARKE MODET AND CO CHILE LIMITADA; CAROLINA MERCEDES DAZA MONTALVO; KRAUSS JAN; DEACONS; BUDI RAHMAT SH; SHOJI TAKASHI; SUKENOBU YURIKO; MCBEE MOORE WOODWARD AND VANIK IP LLC; SUSAN; MCBEE SUSAN; KRAUSS JAN B

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

15) Family number: 62462547 (US2017266271A)

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Title: PEPTIDES AND COMBINATION OF PEPTIDES FOR USE IN IMMUNOTHERAPY AGAINST CANCERS

Abstract: The present description relates to peptides, proteins, nucleic acids and cells for use in immunotherapeutic methods. In particular, the present description relates to the immunotherapy of cancer. The present description further relates to tumor-associated T-cell peptide epitopes, alone or in combination with other tumor-associated peptides that can for example serve as active pharmaceutical ingredients of vaccine compositions that stimulate anti-tumor immune responses, or to stimulate T-cells ex vivo and transfer into patients. Peptides bound to molecules of the major histocompatibility complex (MHC), or peptides as such, can also be targets of antibodies, soluble T-cell receptors, and other binding molecules.

Classifications:

International (IPC 8-9): A61K A61K35/12 A61K35/17 A61K35/76 A61K38/08 A61K38/10 A61K38/16 A61K39/00 A61K48/00 A61P35/00 A61P35/02 C07K14/47 C07K14/64 C07K14/705 C07K14/725 C07K14/74 C07K16/00 C07K16/18 C07K16/28 C07K19/00 C07K7/06 C12N15/115 C12N15/12 C12N15/62 C12N15/85 C12N5/0783 C12N5/10 C12P21/02 C12Q1/02 C12Q1/68 C12Q1/6809 C12Q1/6886 G01N33/53 G01N33/574 G01N33/68 G01N37/00 G06F19/20 G16B25/00 (Advanced/Invention); A61K (Subclass/Invention)

International (IPC 1-7): A61K39/00 C07K14/64

CPC: A61K39/0011 C07K14/4743 C12N5/0638 C07K16/18 C07K14/7051 C07K16/2809 C12Q1/6886 G01N33/57484 G01N33/6872 C12N15/115 C07K2319/40 A61K2039/5158 A61K2039/572 C12Q2600/136 G01N2333/70539 C12N2310/16 C07K14/64 C07K14/70503 C07K16/00 G16B25/00

US: 1/1 424/139.1

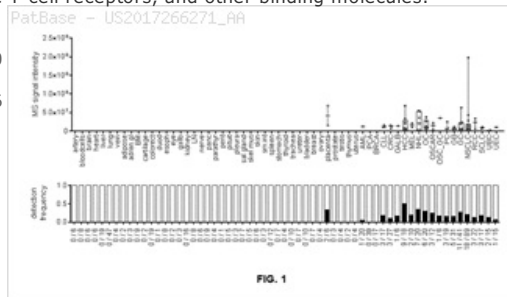


FIG. 1

Family:

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EP3429617 A1	20190123	EP20170710882	20170314
GB201604490 A0	20160427	GB20160004490	20160316
IL261786 A0	20181031	IL20170261786	20170314
JP2019515653 T2	20190613	JP20180548713T	20170314
KR20180127642 A	20181129	KR20187029680	20170314
MX2018011220 A1	20181122	MX20180011220	20170314
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US2019008937 AA	20190110	US20180138655	20180921
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WO17157928 A1	20170921	WO2017EP55973	20170314

Priority:

GB20160004490 20160316 US20160309107P 20160316 US20170458893 20170314
WO2017EP55973 20170314 US20180138655 20180921

Probable Assignee: IMMATICS BIOTECHNOLOGIES GMBH

Assignee(s): (std): IMMATICS BIOTECHNOLOGIES GMBH ; MAHR ANDREA ; SCHOOR OLIVER ; WEINSCHENK TONI

Inventor(s): (std): SCHOOR OLIVER ; WEINSCHENK TONI ; MAHR ANDREA ; ANDREA MAHR ; OLIVER SCHOOR ; TONI WEINSCHENK

Agent(s): PHILLIPS ORMONDE FITZPATRICK; GOWLING WLG CANADA LLP; KRAUSS JAN; SHOJI TAKASHI; SUKENOBU YURIKO; MCBEE MOORE WOODWARD AND VANIK IP LLC; BOEHMERT AND BOEHMERT

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DJ DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KH KM KN KP KR KW KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

16) Family number: 44849627 (US2010158931A)

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Abstract: The present invention relates to peptides, nucleic acids and cells for use in immunotherapeutic methods. In particular, the present invention relates to the immunotherapy of cancer. The present invention furthermore relates to tumor-associated cytotoxic T cell (CTL) peptide epitopes, alone or in combination with other tumor-associated peptides that serve as active pharmaceutical ingredients of vaccine compositions that stimulate anti-tumor immune responses. The present invention relates to 30 peptide sequences and their variants derived from HLA class I and class II molecules of human tumor cells that can be used in vaccine compositions for eliciting anti-tumor immune responses.

Classifications:

International (IPC 8-9): A61K A61K31/7088 A61K35/12 A61K35/14 A61K35/17 A61K35/26 A61K35/76 A61K38/00 A61K38/04 A61K38/08 A61K38/10 A61K38/16 A61K39/00 A61K39/39 A61K48/00 A61M5/00 A61P A61P1/04 A61P1/18 A61P11/00 A61P13/08 A61P13/12 A61P15/00 A61P17/00 A61P25/00 A61P27/02 A61P35/00 A61P35/02 A61P37/04 C07H21/04 C07K C07K14/46 C07K14/47 C07K14/705 C07K14/74 C07K16/18 C07K16/28 C07K16/30 C07K19/00 C07K4/12 C07K7/06 C07K7/08 C12M1/00 C12N1/15 C12N1/19 C12N1/21 C12N15/09 C12N15/11 C12N15/12 C12N15/62 C12N15/63 C12N15/85 C12N5/00 C12N5/02 C12N5/078 C12N5/0783 C12N5/0786 C12N5/10 C12P21/02 C12P21/06 C12Q1/02 C12Q1/68 G01N33/48 G01N33/53 G01N33/532 G01N33/574 (Advanced/Invention); A61K38/00 A61K38/08 A61K38/16 A61P35/00 C07K14/00 C07K14/47 C07K7/06 C07K7/08 C12N15/09 C12N5/0784 (Advanced/Non-invention); A61K31/7088 A61K35/00 A61K35/26 A61K38/00 A61K38/08 A61K38/10 A61K38/16 A61K39/00 A61P35/00 C07H21/00 C07K14/00 C07K7/00 C12N5/00 C12N5/02 C12P21/06 C12Q1/02 (Core/Invention); A61K A61P (Subclass/Invention)

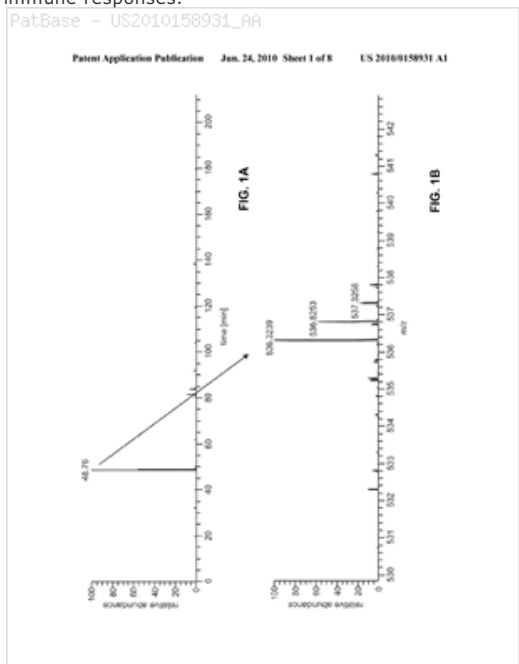
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US: 1/1 424/185.1 424/185.100P 424/277.1 424/277.100P 424/277.100S 424/85.1 424/85.7 424/93.21 424/93.7 424/93.700S 424/93.71 424/93.710S 435/252.3 435/252.300S 435/252.31 435/252.310S 435/252.33 435/252.330S 435/254.11 435/254.110S 435/254.2 435/254.200S 435/254.21 435/254.210S 435/254.3 435/254.300S 435/29 435/29S 435/320.1 435/320.100S 435/325 435/325S 435/348 435/348S 435/358 435/358S 435/375 435/375S 435/419 435/419S 435/6.11 435/6.110S 435/69.1 435/69.100S 435/69.3 435/7.1 435/7.100S 435/7.23 514/1.1 514/1.100S 514/14 514/15 514/19.2 514/19.3 514/19.300S 514/21.2 514/21.200S 514/21.3 514/21.300S 514/21.4 514/21.400S 514/21.5 514/21.500S 514/21.6 514/21.600S 514/21.7 514/21.700S 514/44.00RS 514/44R 530/300 530/324 530/325 530/326 530/326S 530/327 530/327S 530/328 530/328S 530/345 536/23.5 536/23.500S

Family:

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Probable Assignee: IMMATICS BIOTECHNOLOGIES GMBH

Assignee(s): (std): IMMATICS BIOTECHNOLOGIES GMBH ; SCHOR OLIVER ; WALTER STEFFEN ; WEINSCHENK TONI ; TRAUTWEIN CLAUDIA ; SINGH HARPREET ; WALTER STEFFAN ; HILF NORBERT

Assignee(s): IMMATICS BIOTECHNOLGOIES GMBH

Inventor(s): (std): WALTER STEFFAN ; HARPREET SINGH ; NORBERT HILF ; CLAUDIA TRAUTWEIN ; TONI WEINSCHENK ; STEFFEN WALTER ; OLIVER SCHOR ; SCHOR OLIVER ; SINGH HARPREET ; TRAUTWEIN CLAUDIA ; WEINSCHENK TONI ; HILF NORBERT ; WALTER STEFFEN ; STEFFAN WALTER

Inventor(s): SINGH HARPREET HOUSTON

Agent(s): PIZZEYS; PIZZEYS PATENT AND TRADE MARK ATTORNEYS PTY LTD; HEENAN BLAICKIE LLP; GOWLING LAFLEUR HENDERSON LLP; GOWLING WLG CANADA LLP; BOEHMERT AND BOEHMERT ANWALTPARTNERSCHAFT MBB PATENTANWAELTE RECHTSANWAELTE; KRAUSS JAN; CARPINTERO MARIO; DEACONS; SHOJI TAKASHI; SUKENOBU YURIKO; DREW AND NAPIER LLC; NAZLI TUGBA KORKUT OEZSOY; NUKHET SERRA YARDIMCI CORAL; MEHMET NAZIM AYDIN DERIS; HALISE BETUEL ATABAY VARLIK; BAKER DONELSON BEARMAN CALDWELL AND BERKOWITZ PC; MILES AND STOCKBRIDGE PC; MCBEE MOORE WOODWARD AND VANIK IP LLC; SUSAN; MCBEE SUSAN; KRAUSS JAN B ET AL

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PE PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

17) Family number: 42909775 (US2009123489A)

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Title: NOVEL IMMUNOTHERAPY AGAINST NEURONAL AND BRAIN TUMORS

Abstract: The present invention relates to peptides, nucleic acids and cells for use in immunotherapeutic methods. In particular, the present invention relates to the immunotherapy of cancer. The present invention furthermore relates to tumor-associated cytotoxic T cell (CTL) peptide epitopes, alone or in combination with other tumor-associated peptides that serve as active pharmaceutical ingredients of vaccine compositions that stimulate anti-tumor immune responses. The present invention relates to 11 novel peptide sequences and their variants derived from HLA class I and class II molecules of human tumor cells that can be used in vaccine compositions for eliciting anti-tumor immune responses.

Classifications:

International (IPC 8-9): A61K A61K31/7088 A61K31/7105

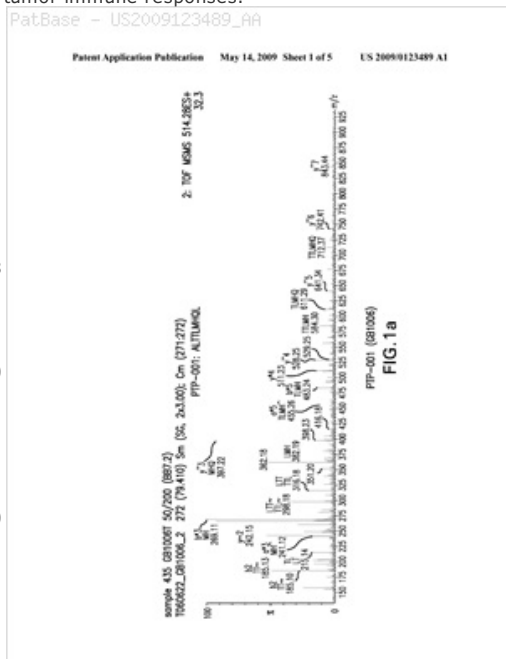
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A61K38/00 A61K38/17 A61K39/00 A61P35/00 C07K14/435
C07K14/47 C07K19/00 C12N15/63 (Advanced/Non-invention);
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A61K A61P C07K C12N (Subclass/Invention)

International (IPC 1-7): C12N C12N9/16

CPC: A61K31/7088 A61K38/08 A61P35/00 C07K16/44 C12N15/85
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Priority:

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Probable Assignee: IMMATICS BIOTECHNOLOGIES GMBH

Assignee(s): (std): IMMATICS BIOTECHNOLOGIES GMHH ; WEINSCHENK TONI ; LEWANDROWSKI PETER ; WALTER STEFFEN ; TRAUTWEIN CLAUDIA ; SCHOOR OLIVER ; SINGH HARPREET ; LEMMEL CLAUDIA ; HILF NORBERT ; IMMATICS BIOTECHNOLOGIES GMBH

Assignee(s): IMMATICS BIOTECHNOLOGIES GMBHPAUL-EHRLICH-STRASSE 1572076TUEBINGENDE

Inventor(s): (std): HARPREET SINGH ; OLIVER SCHOOR ; PETER LEWANDROWSKI ; CLAUDIA TRAUTWEIN ; NORBERT HILF ; TONI WEINSCHENK ; STEFFEN WALTER ; LEMMEL CLAUDIA ; EMMERICH NIELS ; LEWANDROWSKI PETER ; WALTER STEFFEN ; SINGH HARPREET ; HILF NORBERT ; TRAUTWEIN CLAUDIA ; SCHOOR OLIVER ; WEINSCHENK TONI ; WALTERE STEFFEN

Inventor(s): WEINSCHENK TONIDE ; SINGH HARPREETDE ; TRAUTWEIN CLAUDIADE ; WALTER STEFFENDE ; LEWANDROWSKI PETERDE ; HILF NORBERTDE ; SCHOOR OLIVERDE ; NIELS EMMERICH ; EMMERICH NIELS CHICAGO

Agent(s): PIZZEYS PATENT AND TRADE MARK ATTORNEYS PTY LTD; PIZZEYS PATENT AND TRADE MARK ATTORNEYS; GOWLING LAFLEUR HENDERSON LLP; GOWLING WLG CANADA LLP; BOEHMERT AND BOEHMERT ANWALTSPARTNERSCHAFT MBB PATENTANWAELTE RECHTSANWAELTE; KRAUSS JAN; CARPINTERO MARIO; DEACONS; PINSENT MASONS; SHOJI TAKASHI; SUKENOBU YURIKO; BAKER DONELSON BEARMAN CALDWELL AND BERKOWITZ PC; MILES AND STOCKBRIDGE PC; MILES AND STOCKBRIDGE; MCBEE MOORE WOODWARD VANIK IP LLC; MCBEE MOORE WOODWARD AND VANIK IP LLC; SUSAN; DAVID; KRAUSS JAN B ET AL

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

18) Family number: 42909778 (US2009148400A)

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Title: COMPOSITION OF TUMOUR-ASSOCIATED PEPTIDES AND RELATED ANTI-CANCER VACCINE

Abstract: The present invention relates to immunotherapeutic peptides and their use in immunotherapy, in particular the immunotherapy of cancer. The present invention discloses tumour-associated T-helper cell peptide epitopes, alone or in combination with other tumour-associated peptides that serve as active pharmaceutical ingredients of vaccine compositions which stimulate anti-tumour immune responses. In particular, the composition of the peptides of the present invention can be used in vaccine compositions for eliciting anti-tumour immune responses against colorectal cancer.

Classifications:

International (IPC 8-9): A61K A61K31/7088 A61K35/12 A61K35/14 A61K35/17 A61K35/76 A61K38/00 A61K38/04 A61K38/08 A61K38/10 A61K38/16 A61K38/17 A61K38/19 A61K39/00 A61K39/106 A61K39/39 A61K39/395 A61K48/00 A61P A61P35/00 A61P35/02 A61P37/04 C07K14/00 C07K14/47 C07K14/705 C07K19/00 C07K4/00 C07K7/00 C07K7/06 C07K7/08 C12N C12N1/15 C12N1/19 C12N1/21 C12N15/09 C12N15/12 C12N15/62 C12N15/63 C12N5/0783 C12N5/10 C12N9/02 (Advanced/Invention); A61K38/16 A61K39/395 A61P35/00 C07K14/00 C07K14/53 C07K19/00 C07K7/06 C07K7/08 C12N15/09 C12N5/0784 (Advanced/Non-invention); A61K38/00 A61K38/08 A61K38/10 A61K38/16 A61K38/17 A61K38/19 A61K39/00 A61K39/106 A61K39/395 A61P35/00 (Core/Invention); A61P35/00 (Core/Non-invention); A61K A61P (Subclass/Invention)

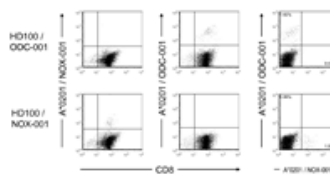
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US: 424/185.1 424/185.100S 424/236.1 424/236.100S 424/85.1 424/85.100P 424/93.7 424/93.700S 514/1.1 514/1.100S 514/12 514/13 514/14 514/15 514/19.2 514/19.3 514/19.4 514/19.5 530/300 530/323 530/326 530/327 530/328

Figure 1

**Family:**

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PT2567707 T	20161227	PT20120187307T	20080725
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US7994276 BB	20110809	US20080180113	20080725
WO09015841 A1	20090205	WO2008EP06152	20080725

Priority:

EP20070014796	20070727	US20070953109P	20070731	US20070981241P	20071019
BR2008PI14140	20080725	CA20082694771	20080725	CA20082817054	20080725
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Probable Assignee: IMMATICS BIOTECHNOLOGIES GMBH

Assignee(s): (std): HILF NORBERT ; IMMATICS BIOTECHNOLOGIES GMBH ; IMMATICS BIOTECHNOLOGIES GMHH ; LEWANDROWSKI PETER ; SCHOOR OLIVER ; WEINSCHENK TONI ; WALTER STEFFEN ; TRAUTWEIN CLAUDIA ; SINGH HARPREET

Inventor(s): (std): WEINSCHENK TONI ; SCHOOR OLIVER ; TRAUTWEIN CLAUDIA ; HILF NORBERT ; SINGH HARPREET ; WALTER STEFFEN ; LEWANDROWSKI PETER ; LEMMEL CLAUDIA ; STEFFEN WALTER ; TONI WEINSCHENK ; NORBERT HILF ; CLAUDIA TRAUTWEIN ; PETER LEWANDROWSKI ; OLIVER SCHOOR ; HARPREET SINGH ; OLSVER SCHOOR

Agent(s): PIZZEYS PATENT AND TRADE MARK ATTORNEYS; PIZZEYS PATENT AND TRADE MARK ATTORNEYS PTY LTD; HEENAN BLAIKIE LLP; GOWLING LAFLEUR HENDERSON LLP; GOWLING WLG CANADA LLP; KRAUSS JAN; CARPINTERO MARIO; DEACONS; SHOJI TAKASHI; SUKENOBU YURIKO; MEHMET NAZIM AYDIN DERIS; BAKER DONELSON BEARMAN CALDWELL AND BERKOWITZ PC; KRAUSS JAN B ET AL

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

19) Family number: 60268818 (US2017002055A)

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Title: NOVEL PEPTIDES AND COMBINATION OF PEPTIDES FOR USE IN IMMUNOTHERAPY AGAINST OVARIAN CANCER AND OTHER CANCERS

Abstract: The present invention relates to peptides, proteins, nucleic acids and cells for use in immunotherapeutic methods. In particular, the present invention relates to the immunotherapy of cancer. The present invention furthermore relates to tumor-associated T-cell peptide epitopes, alone or in combination with other tumor-associated peptides that can for example serve as active pharmaceutical ingredients of vaccine compositions that stimulate anti-tumor immune responses, or to stimulate T cells ex vivo and transfer into patients. Peptides bound to molecules of the major histocompatibility complex (MHC), or peptides as such, can also be targets of antibodies, soluble T-cell receptors, and other binding molecules.

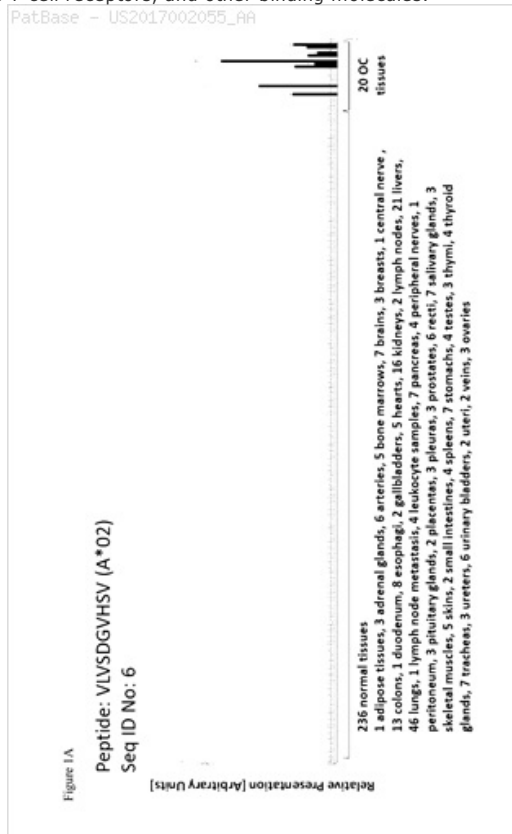
Classifications:

International (IPC 8-9): A01N61/00 A61K A61K31/00 A61K31/7088 A61K35/17 A61K35/26 A61K35/76 A61K38/00 A61K38/08 A61K39/00 A61K39/395 A61K48/00 A61K9/08 A61K9/19 A61P35/00 A61P35/02 A61P37/04 C07K C07K14/47 C07K14/705 C07K14/725 C07K14/74 C07K14/82 C07K16/18 C07K16/28 C07K16/30 C07K16/32 C07K16/46 C07K7/04 C07K7/06 C07K7/08 C07K7/58 C12N15/11 C12N15/115 C12N15/12 C12N15/62 C12N15/85 C12N5/00 C12N5/0783 C12N5/10 C12P21/02 C12Q1/68 C12Q1/6869 C12Q1/6881 C12Q1/6886 G01N33/53 G01N33/569 G01N33/574 (Advanced/Invention); A61K35/12 A61K38/00 (Advanced/Non-invention); C07K (Subclass/Invention)

International (IPC 1-7): A61K38/00 C07K14/47

CPC: A61K39/0011 C12N15/115 C07K7/08 C07K7/06 C07K16/2833 C12N5/0636 C07K2319/00 C12N2310/16 A61K38/00 C12N2501/998 C07K14/4705 C07K14/4738 C07K16/30 C07K16/18 C07K16/3015 C07K16/32 C07K2319/40 C12N2320/30 A61K2039/5158 C12N2501/50 C07K16/3023 C07K16/303 C07K16/3038 C07K16/3046 C07K16/3053 C07K16/3069 A61K35/17 C07K2317/31 C07K2317/24 A61K2035/124 C12P21/02 G01N33/56977 C12Q1/6881 C07K2317/34 A61K39/00 C07K14/705 C07K16/28 C07K14/82 C12Q1/6886 G01N33/57449 G01N33/57492 C12Q2600/158 G01N2333/70539 C07K14/4748 C07K14/70539

US: 1/1 424/136.1 424/139.1 424/185.1 424/9.1



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Publication number	Publication date	Application number	Application date
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WO17001491 A3	20170330	WO2016EP65166	20160629
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Priority:

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Probable Assignee: IMMATICS BIOTECHNOLOGIES GMBH

Assignee(s): (std): FRITSCH JENS ; HORZER HELEN ; IMMATICS BIOTECHNOLOGIES GMBH ; MAHR ANDREA ; SINGH HARPREET ; SCHOOR OLIVER ; WEINSCHENK TONI

Inventor(s): (std): HARZER HELEN ; HELEN HOERZER ; OLIVER SCHOOR ; ANDREA MAHR ; TONI WEINSCHENK ; HELEN HRZER ; JENS FRITSCH ; HARPREET SINGH ; HORZER HELEN ; HOERZER HELEN ; WEINSCHENK TONI ; SINGH HARPREET ; SCHOOR OLIVER ; FRITSCH JENS ; MAHR ANDREA

Inventor(s): HOERZER HETEN

Agent(s): PHILLIPS ORMONDE FITZPATRICK; GOWLING WLG CANADA LLP; ESTUDIO CLARKE MODET AND CO CHILE LIMITADA; CAROLINA MERCEDES DAZA MONTALVO; KRAUSS JAN; DEACONS; BUDI RAHMAT SH; SHOJI TAKASHI; SUKENOBU YURIKO; MCBEE MOORE WOODWARD AND VANIK IP LLC; SUSAN; MCBEE SUSAN

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

20) Family number: 67171849 (US2017290897A)

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Title: PEPTIDES AND COMBINATION OF PEPTIDES AS TARGETS OR ACTIVE INGREDIENTS FOR USE IN IMMUNOTHERAPY AGAINST AML AND OTHER CANCERS

Abstract: The present invention relates to peptides, proteins, nucleic acids and cells for use in immunotherapeutic methods. In particular, the present invention relates to the immunotherapy of cancer. The present invention furthermore relates to tumor-associated T-cell peptide epitopes, alone or in combination with other tumor-associated peptides that can for example serve as active pharmaceutical ingredients of vaccine compositions that stimulate anti-tumor immune responses, or to stimulate T cells ex vivo and transfer into patients. Peptides bound to molecules of the major histocompatibility complex (MHC), or peptides as such, can also be targets of antibodies, soluble T-cell receptors, and other binding molecules.

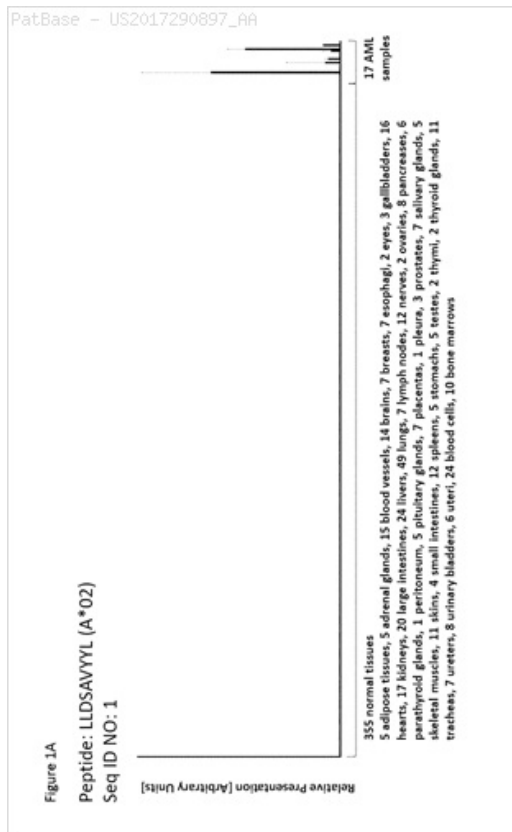
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US2019262445 AA	20190829	US20190409092	20190510
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US10357550 BB	20190723	US20170479552	20170405
WO17174645 A1	20171012	WO2017EP58083	20170405

Priority:

GB20160005872	20160406	US20160319141P	20160406	US20170479552	20170405
WO2017EP58083	20170405	US20190359165	20190320	US20190409092	20190510

Probable Assignee: IMMATICS BIOTECHNOLOGIES GMBH**Assignee(s):** (std): HARPREET SINGH ; IMMATICS BIOTECHNOLOGIES GMBH ; TONI WEINSCHENK ; JENS FRITSCHKE ; OLIVER SCHOOR ; ANDREA MAHR ; ANITA WIEBE**Assignee(s):** FRITSCHKE JENS ; WIEBE ANITA ; MAHR ANDREA ; WEINSCHENK TONI ; SCHOOR OLIVER ; SINGH HARPREET**Inventor(s):** (std): SCHOOR OLIVER ; MAHR ANDREA ; SINGH HARPREET ; FRITSCHKE JENS ; WIEBE ANITA ; WEINSCHENK TONI ; ANDREA MAHR ; TONI WEINSCHENK ; ANITA WIEBE ; OLIVER SCHOOR ; JENS FRITSCHKE ; HARPREET SINGH**Inventor(s):** WEINSCHENK**Agent(s):** PHILLIPS ORMONDE FITZPATRICK; GOWLING WLG CANADA LLP; ESTUDIO CLARKE MODET AND CO CHILE LIMITADA; KRAUSS JAN; BUDI RAHMAT SH; SHOJI TAKASHI; SUKENOBU YURIKO; MCBEE MOORE WOODWARD AND VANIK IP LLC; KRAUSS JAN B**Designated states:** AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DJ DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KH KM KN KP KR KW KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC

21) Family number: 72767873 (US2019010198A)

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Title: NOVEL PEPTIDES AND COMBINATION OF PEPTIDES FOR USE IN IMMUNOTHERAPY AGAINST LUNG CANCER, INCLUDING NSCLC, SCLC AND OTHER CANCERS

Abstract: The present invention relates to peptides, proteins, nucleic acids and cells for use in immunotherapeutic methods. In particular, the present invention relates to the immunotherapy of cancer. The present invention furthermore relates to tumor-associated T-cell peptide epitopes, alone or in combination with other tumor-associated peptides that can for example serve as active pharmaceutical ingredients of vaccine compositions that stimulate anti-tumor immune responses, or to stimulate T cells ex vivo and transfer into patients. Peptides bound to molecules of the major histocompatibility complex (MHC), or peptides as such, can also be targets of antibodies, soluble T-cell receptors, and other binding molecules.

Classifications:

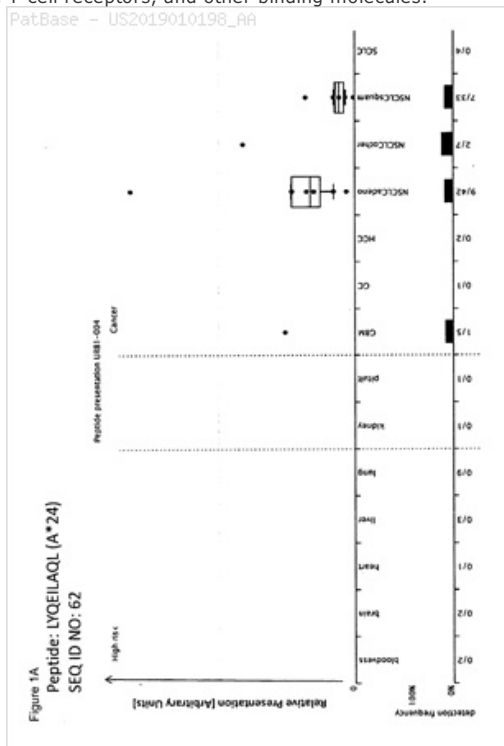
International (IPC 8-9): A61K39/00 A61P35/00 C07K14/00 C07K14/47 C07K14/725 C07K14/74 C07K16/28 C07K16/30 C12N15/10 C12N15/115 C12N5/0783

G01N33/574 (Advanced/Invention);

A61P35/00 (Advanced/Non-invention)

CPC: A61K39/0011 A61K2039/5158 A61K2039/572 A61P35/00 C07K14/4748 C07K14/7051 C07K14/70539 C07K16/2818 C07K2319/00 C07K16/30 A61K39/001102 C12N5/0638 C12N15/1062 C12N15/115 C12N2501/50 G01N33/57492

US: 1/1 424/139.1

**Family:**

Publication number	Publication date	Application number	Application date
TW201906859 A	20190216	TW20180122872	20180703
US2019010198 AA	20190110	US20180026707	20180703
US2019092823 AA	20190328	US20180211892	20181206
US2019100566 AA	20190404	US20180211898	20181206
US2019233488 AA	20190801	US20190380871	20190410
US2019233489 AA	20190801	US20190380887	20190410
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US2019284250 AA	20190919	US20190387610	20190418
US10377803 BA	20190813	US20190380871	20190410
US10385105 BA	20190820	US20190387123	20190417
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WO19007974 A1	20190110	WO2018EP67979	20180703

Priority:

DE201710115301	20170707	US20170529758P	20170707	US20180026707	20180703
US20180211892	20181206	US20180211898	20181206	US20190380871	20190410
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US20190388925	20190419	US20190388915	20190419		

Probable Assignee: IMMATICS BIOTECHNOLOGIES GMBH

Assignee(s): (std): IMMATICS BIOTECHNOLOGIES GMBH

Inventor(s): (std): SONG COLETTE ; SCHOOR OLIVER ; FRITSCH JENS ; WEINSCHENK TONI ; SINGH HARPREET

Agent(s): MCBEE MOORE WOODWARD AND VANIK IP LLC; BOEHMERT AND BOEHMERT

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DJ DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JO JP KE KG KH KM KN KP KR KW KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

22) Family number: 61744878 (US2017165338A)

© PatBase

Title: NOVEL PEPTIDES AND COMBINATION OF PEPTIDES FOR USE IN IMMUNOTHERAPY AGAINST VARIOUS CANCERS

Abstract: The present invention relates to peptides, proteins, nucleic acids and cells for use in immunotherapeutic methods. In particular, the present invention relates to the immunotherapy of cancer. The present invention furthermore relates to tumor-associated T-cell peptide epitopes, alone or in combination with other tumor-associated peptides that can for example serve as active pharmaceutical ingredients of vaccine compositions that stimulate anti-tumor immune responses, or to stimulate T cells ex vivo and transfer into patients. Peptides bound to molecules of the major histocompatibility complex (MHC), or peptides as such, can also be targets of antibodies, soluble T-cell receptors, and other binding molecules.

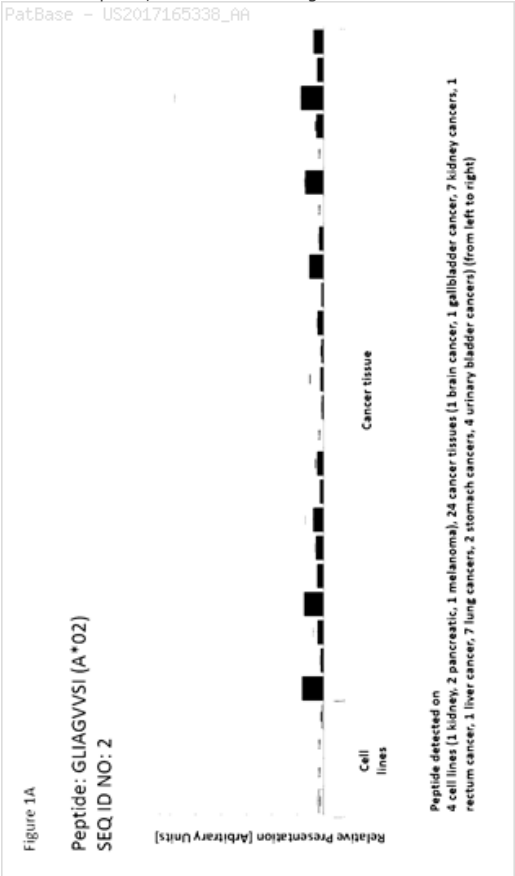
Classifications:

International (ipc 8-9): A61K A61K35/17 A61K35/76 A61K38/00 A61K38/04 A61K38/08 A61K38/10 A61K38/17 A61K39/00 A61K39/395 A61P35/00 A61P37/04 C07K C07K14/47 C07K14/705 C07K14/71 C07K14/72 C07K14/725 C07K14/81 C07K16/18 C07K16/28 C07K16/30 C07K16/38 C07K16/40 C07K7/06 C07K7/08 C12N1/15 C12N1/19 C12N1/21 C12N15/115 C12N15/12 C12N15/63 C12N5/0783 C12N5/10 C12N9/02 C12N9/12 C12P21/02 C12Q1/02 C12Q1/68 C12Q1/6886 G01N33/15 G01N33/48 G01N33/50 G01N33/53 G01N33/574 G06F19/20 G16B25/00 (Advanced/Invention); A61K35/17 A61K38/00 (Advanced/Non-invention); C07K (Subclass/Invention)

International (ipc 1-7): A61K38/04 C07K7/06 C07K7/08

CPC: C07K14/705 C12N5/0638 C12N2502/11 C07K2317/34 C07K14/4748 C07K16/30 C12N9/0091 C07K14/71 C07K16/40 C07K16/2863 C07K16/18 C12Y116/01 C07K2317/76 A61K2039/572 C12Q1/6886 C07K2319/40 G01N2333/47 C12Q2600/156 C12N9/1264 C12Y207/07031 C07K14/8135 C07K16/38 C07K14/47 C07K14/721 C07K16/2869 A61K38/00 G16B25/00 G06F19/20 A61K39/0011 A61K35/17 A61K2039/5158 C07K7/06 C07K7/08 C07K14/7051 C07K16/28 C12N5/0636 C12N15/115 C12N2310/16 G01N33/57484 A61K39/00114 A61P35/00 A61K2039/844 A61K2039/884 A61K2039/86 A61K2039/585 A61K39/001102 A61K2039/804

US: 1/1 424/139.1



Family:

Publication number	Publication date	Application number	Application date
AR107025 AA	20180314	AR2016P103771	20161207
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EP3325498 A1	20180530	EP20160805839	20161205
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HK1255541 A1	20190823	HK20180114531	20181114
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KR20180085725 A	20180727	KR20187014106	20161205
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MX2018005374 A1	20180801	MX20180005374	20161205
PE13162018 A1	20180814	PE20180000553	20161205
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SG11201801756W A1	20180628	SG20181101756	20161205
TW201726723 A	20170801	TW20160140777	20161209
TW201920252 A	20190601	TW20180140020	20161209
US2017165338 AA	20170615	US20160375017	20161209
US2017165339 AA	20170615	US20160375030	20161209
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US10279022 BB	20190507	US20160375051	20161209
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WO17097699 A1	20170615	WO2016EP79737	20161205

Priority:

GB20150021894	20151211	US20150266233P	20151211	WO2016EP79737	20161205
US20160374415	20161209	US20160374452	20161209	US20160374882	20161209
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Probable Assignee: IMMATICS BIOTECHNOLOGIES GMBH

Assignee(s): (std): FRITSCHJE JENS ; IMMATICS BIOTECHNOLOGIES GMBH ; MAHR ANDREA ; SCHOOR OLIVER ; WEINSCHENK TONI ; SONG COLETTE ; SINGH HARPREET

Inventor(s): (std): JENS FRITSCHJE ; HARPREET SINGH ; TONI WEINSCHENK ; ANDREA MAHR ; COLETTE SONG ; OLIVER SCHOOR ; HARPREET SINGH ; WEINSCHENK TONI ; SINGH HARPREET ; SCHOOR OLIVER ; FRITSCHJE JENS ; SONG COLETTE ; MAHR ANDREA

Agent(s): PHILLIPS ORMONDE FITZPATRICK; GOWLING WLG CANADA LLP; ESTUDIO CLARKE MODET AND CO CHILE LIMITADA; KRAUSS JAN; DEACONS; BUDI RAHMAT SH; SHOJI TAKASHI; SUKENOBU YURIKO; MCBEE MOORE WOODWARD AND VANIK IP LLC; SUSAN; MCBEE SUSAN; BOEHMERT AND BOEHMERT

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DJ DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KM KN KP KR KW KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

23) Family number: 60353887 (US2017035807A)

© PatBase

Title: NOVEL PEPTIDES AND COMBINATION OF PEPTIDES FOR USE IN IMMUNOTHERAPY AGAINST EPITHELIAL OVARIAN CANCER AND OTHER CANCERS

Abstract: The present invention relates to peptides, proteins, nucleic acids and cells for use in immunotherapeutic methods. In particular, the present invention relates to the immunotherapy of cancer. The present invention furthermore relates to tumor-associated T-cell peptide epitopes, alone or in combination with other tumor-associated peptides that can for example serve as active pharmaceutical ingredients of vaccine compositions that stimulate anti-tumor immune responses, or to stimulate T cells ex vivo and transfer into patients. Peptides bound to molecules of the major histocompatibility complex (MHC), or peptides as such, can also be targets of antibodies, soluble T-cell receptors, and other binding molecules.

Classifications:

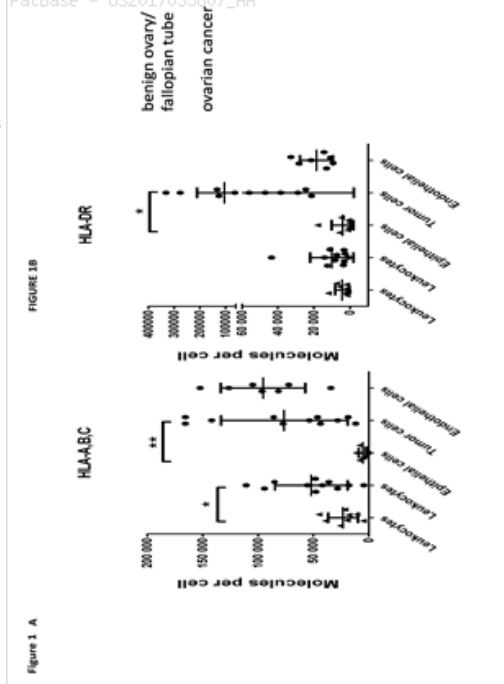
International (ipc 8-9): A61K A61K31/7088 A61K35/02 A61K35/17 A61K35/76 A61K38/00 A61K39/00 A61K39/395 A61K47/68 A61K9/08 A61K9/19 A61P35/00 A61P35/02 A61P37/04 C07K C07K14/47 C07K14/705 C07K14/725 C07K16/28 C07K16/30 C07K19/00 C07K2/00 C07K7/00 C07K7/06 C07K7/08 C12N1/15 C12N1/19 C12N1/21 C12N15/115 C12N15/12 C12N15/62 C12N15/63 C12N15/67 C12N5/0783 C12N5/0784 C12N5/09 C12N5/10 C12P21/02 C12Q1/02 C12Q1/68 C12Q1/6809 C12Q1/6813 C12Q1/6869 C12Q1/6881 C12Q1/6886 G01N27/62 G01N33/50 G01N33/574 G01N33/68 G01N37/00 (Advanced/Invention); A61K (Subclass/Invention)

International (ipc 1-7): C07K14/47

CPC: C07K14/4727 C12P21/02 C12Q1/6881 A61K2039/5158 C12N2310/16 G01N2333/70539 C12Q2600/156 C12Q2600/158 C12Q2600/136 G01N2500/04 A61K35/17 A61K39/0011 C07K7/06 C07K7/08 C07K14/4748 C07K14/7051 C07K16/30 C12N15/115 C12Q1/6886 G01N33/57484 C12N5/0636

US: 1/1 424/185.1

PatBase - US2017035807_AA



Family:

Publication number	Publication date	Application number	Application date
AU2016293047 AA	20180208	AU20160293047	20160714
AU2016293047 AB	20180315	AU20160293047	20160714
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EA201890027 A1	20180629	EA20180090027	20160714
EP3322717 A1	20180523	EP20160739102	20160714
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HK1253574 A1	20190621	HK20180112779	20181008
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IL256697 A0	20180329	IL20160256697	20160714
IN201847001221 A	20180713	IN201847001221	20180111
JP2018531581 T2	20181101	JP20180501316T	20160714
KR20180030506 A	20180323	KR20187000652	20160714
MA41717 A1	20190531	MA20160041717	20160714
MX20180000543 A1	20180522	MX20180000543	20160714
PE06932018 A1	20180423	PE20180000052	20160714
PH2018500005 A	20180709	PH20180500005	20180103
US2017035807 AA	20170209	US20160209845	20160714
US2018117085 AA	20180503	US20170813610	20171115
US9889159 BB	20180213	US20160209845	20160714
WO17009400 A1	20170119	WO2016EP66706	20160714
ZA201800129 A	20181219	ZA20180000129	20180108

Priority:

GB20150012369 20150715 US20150192670P 20150715 US20160209845 20160714
WO2016EP66706 20160714 US20170813610 20171115

Probable Assignee: IMMATICS BIOTECHNOLOGIES GMBH

Assignee(s): (std): IMMATICS BIOTECHNOLOGIES GMBH ; PEPPER JANET ; RAMMENSEE HANS GEORG ; SCHUSTER HEIKO ; WAGNER PHILIPP

Inventor(s): (std): SCHUSTER HEIKO ; PEPPER JANET ; WAGNER PHILIPP ; RAMMENSEE HANS GEORG ; HEIKO SCHUSTER ; JANET PEPPER ; PHILIPP WAGNER ; HANS GEORG RAMMENSEE

Inventor(s): RAMMENSEE HANSGEORG ; RAMMENSEE HANS

Agent(s): PHILLIPS ORMONDE FITZPATRICK; GOWLING WLG CANADA LLP; ESTUDIO CLARKE MODET AND CO CHILE LIMITADA; CAROLINA MERCEDES DAZA MONTALVO; KRAUSS JAN; DEACONS; BUDI RAHMAT SH; SHOJI TAKASHI; SUKENOBU YURIKO; MCBEE MOORE WOODWARD AND VANIK IP LLC; SUSAN; BOEHMERT AND BOEHMERT

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

24) Family number: 62461913 (US2017296641A)

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Title: PEPTIDES AND COMBINATION OF PEPTIDES FOR USE IN IMMUNOTHERAPY AGAINST NON-SMALL CELL LUNG CANCER AND OTHER CANCERS

Abstract: The present invention relates to peptides, proteins, nucleic acids and cells for use in immunotherapeutic methods. In particular, the present invention relates to the immunotherapy of cancer. The present invention furthermore relates to tumor-associated T-cell peptide epitopes, alone or in combination with other tumor-associated peptides that can for example serve as active pharmaceutical ingredients of vaccine compositions that stimulate antitumor immune responses, or to stimulate T cells ex vivo and transfer into patients. Peptides bound to molecules of the major histocompatibility complex (MHC), or peptides as such, can also be targets of antibodies, soluble T-cell receptors, and other binding molecules.

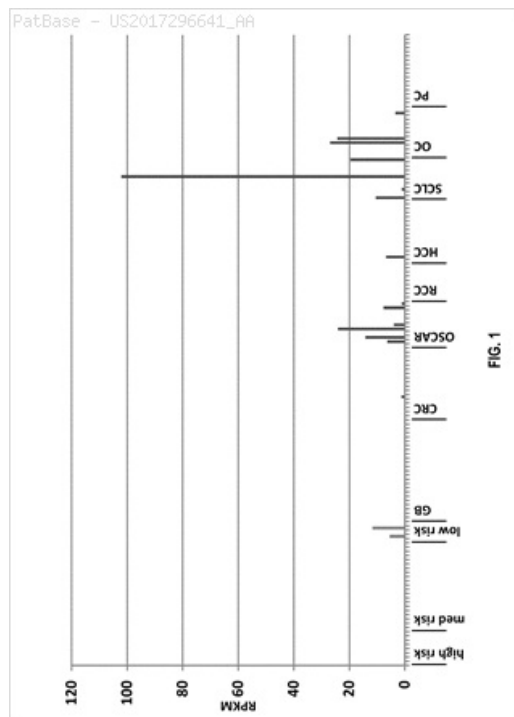
Classifications:

International (IPC 8-9): A61K A61K31/7088 A61K38/08 A61K38/17 A61K39/00 A61K39/395 A61K48/00 A61P11/00 A61P35/00 A61P35/02 A61P43/00 C07K14/47 C07K14/705 C07K14/725 C07K16/18 C07K16/28 C07K16/30 C07K19/00 C07K7/06 C07K7/08 C12N15/10 C12N15/115 C12N15/12 C12N15/62 C12N15/63 C12N5/0781 C12N5/0783 C12N5/0784 C12N5/0786 C12N5/10 C12P21/02 C12Q1/68 C12Q1/6886 (Advanced/Invention); A61K (Subclass/Invention)

International (IPC 1-7): A61K38/17 A61K39/00 C07K14/47 C07K16/28 C07K7/06 C07K7/08

CPC: A61K38/1764 C07K7/08 C07K14/4748 C07K16/2833 C12N5/0638 C07K14/705 C07K14/70503 C07K16/2803 C07K16/30 C12N15/115 C12Q1/6886 A61K2039/5158 A61K2039/572 C12N2310/16 C12N2501/50 C07K2319/40 C12Q2600/156 C12Q2600/158 A61K39/0011 C07K7/06 C07K2317/32

US: 1/1 424/134.1



Family:

Publication number	Publication date	Application number	Application date
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EP3430027 A1	20190123	EP20170710904	20170315
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ID201812289 A	20181123	ID2018P0008189	20170315
IL261785 A0	20181031	IL20170261785	20170315
IN201847037807 A	20181012	IN201847037807	20181005
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KR20180121530 A	20181107	KR20187026097	20170315
MA43327 A1	20181231	MA20170043327	20170315
MX2018011215 A1	20181122	MX20180011215	20170315
PE18242018 A1	20181129	PE20180001795	20170315
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SG11201806905U A1	20180927	SG20181106905	20170315
US2017296641 AA	20171019	US20170460396	20170316
WO17157972 A1	20170921	WO2017EP56049	20170315

Priority:

GB20160004458 20160316 US20160308944P 20160316 WO2017EP56049 20170315
US20170460396 20170316

Probable Assignee: IMMATICS BIOTECHNOLOGIES GMBH

Assignee(s): (std): IMMATICS BIOTECHNOLOGIES GMBH ; MAHR ANDREA ; SCHOOR OLIVER ; WEINSCHENK TONI

Inventor(s): (std): SCHOOR OLIVER ; MAHR ANDREA ; WEINSCHENK TONI ; TONI WEINSCHENK ; OLIVER SCHOOR ; ANDREA MAHR

Agent(s): PHILLIPS ORMONDE FITZPATRICK; GOWLING WLG CANADA LLP; ESTUDIO CLARKE MODET AND CO CHILE LIMITADA; KRAUSS JAN; BUDI RAHMAT SH; SHOJI TAKASHI; SUKENOBU YURIKO

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DJ DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KH KM KN KP KR KW KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

25) Family number: 54929951 (US2016185833A)

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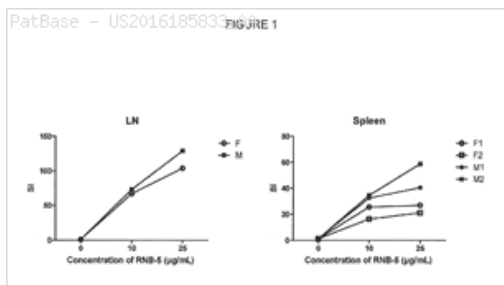
Title: PEPTIDES

Abstract: The present invention provides a peptide at least partially derivable from human Thyroid Stimulating Hormone Receptor (TSHR) which peptide is capable of binding to an MHC molecule in vitro and being presented to a T cell without further antigen processing. The present invention also relates to the use of such peptides for the prevention or suppression of activating autoantibody formation in Graves' Disease.

Classifications:

International (IPC 8-9): A61K A61K38/16 A61K38/17 A61K38/22
A61K39/00 A61P37/00 A61P5/14 A61P5/16 C07K C07K14/47
C07K14/72 C07K7/08 (Advanced/Invention);

A61K38/00 (Advanced/Non-invention);
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C07K7/08 (Core/Invention);
A61K C07K (Subclass/Invention)
CPC: C07K14/47 C07K7/08 A61K38/00 A61K39/0005 C07K14/723
US: 1/1 514/21.3 514/21.4 514/21.5 530/324 530/325 530/326



Family:

Publication number	Publication date	Application number	Application date
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HK1219058 B	20180720	HK20160107175	20160621
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TH176298 A	20180524	TH20161000676	20140806
TR201804054 T4	20180424	TR20180004054T	20140806
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US2018327463 AA	20181115	US20180903379	20180223
US9938329 BB	20180410	US20140910372	20140806
WO15019302 A2	20150212	WO20141B63739	20140806
WO15019302 A3	20150827	WO20141B63739	20140806

Priority:

GB20130014052 20130806 EP20140772444 20140806 WO20141B63739 20140806
RU20160107873 20140806 US20160910372 20160205 US20180903379 20180223

Probable Assignee: APITOPE INT NV

Assignee(s): (std): APITOPE INT NV ; EPITOP INTERNESHNL NV

Assignee(s): WRAITH DAVID

Inventor(s): (std): DAVID WRAITH ; REJT DEVID ; WRAITH DAVID

Agent(s): DAVIES COLLISON CAVE; DAVIES COLLISON CAVE PTY LTD; BERESKIN AND PARR LLP SENCRL SRL; MARGARITA CASTELLANOS ABONDANO; D YOUNG AND CO LLP; ISERN JORGE; DEACONS; IR MIGNI MYRIASANDRA SH MIP MSEL; ARAI EIICHI; FUJITA TAKASHI; TANAKA NATSUO; HIRAKI YUSUKE; YURIDICHESKAYA GORODISSKIJ I PARTNERY OOO FA; TOLGA CAYLAK; MARSHALL GERSTEIN AND BORUN LLP; HOLLIDAY LOUISE

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

Title: NOVEL PEPTIDES AND COMBINATION OF PEPTIDES FOR USE IN IMMUNOTHERAPY AGAINST HEPATOCELLULAR CARCINOMA (HCC) AND OTHER CANCERS

Abstract: The present invention relates to peptides, proteins, nucleic acids and cells for use in immunotherapeutic methods. In particular, the present invention relates to the immunotherapy of cancer. The present invention furthermore relates to tumor-associated T-cell peptide epitopes, alone or in combination with other tumor-associated peptides that can for example serve as active pharmaceutical ingredients of vaccine compositions that stimulate anti-tumor immune responses, or to stimulate T cells ex vivo and transfer into patients. Peptides bound to molecules of the major histocompatibility complex (MHC), or peptides as such, can also be targets of antibodies, soluble T-cell receptors, and other binding molecules. In particular, the present invention relates to several novel peptide sequences and their variants derived from HLA class I and class II molecules of human tumor cells that can be used in vaccine compositions for eliciting anti-tumor immune responses or as targets for the development of pharmaceutically/immunologically active compounds and cells.

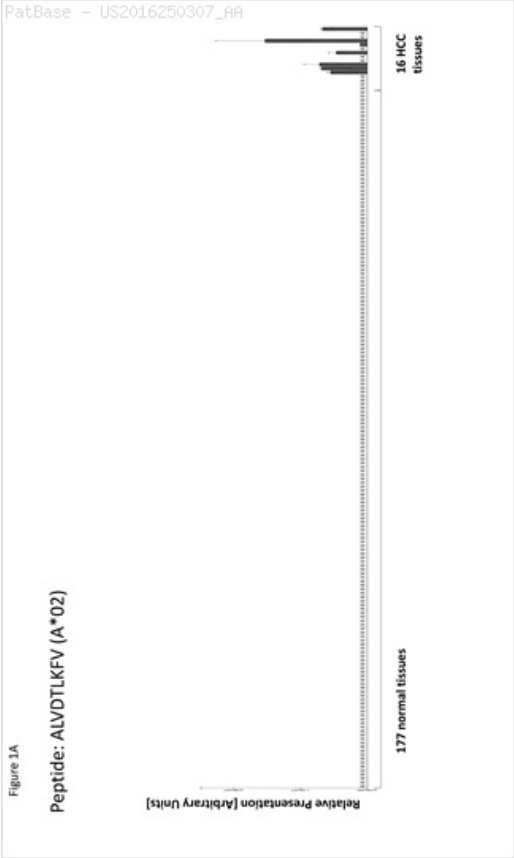
Classifications:

International (IPC 8-9): A61K A61K31/7088 A61K35/12 A61K35/14 A61K35/15 A61K35/17 A61K38/02 A61K38/04 A61K38/08 A61K38/10 A61K38/16 A61K39/00 A61K39/395 A61K48/00 A61P A61P1/04 A61P1/16 A61P1/18 A61P13/12 A61P25/00 A61P35/00 A61P35/02 A61P37/04 C07K C07K14/435 C07K14/47 C07K14/725 C07K14/74 C07K16/00 C07K16/18 C07K16/28 C07K7/00 C07K7/06 C07K7/08 C12N15/09 C12N15/113 C12N15/115 C12N15/85 C12N5/078 C12N5/0783 C12N5/10 C12P21/02 G01N33/53 G01N33/68 G01N37/00 (Advanced/Invention); A61K35/12 (Advanced/Non-invention); A61K (Subclass/Invention)

International (IPC 1-7): A61K38/04 A61P35/00 C07K7/00 C07K7/06 C07K7/08

CPC: A61K35/17 A61K38/04 A61K39/0011 A61K2035/124 C07K7/00 C07K7/06 C07K7/08 C07K16/18 C07K2317/70 C12N5/0636 C12N15/115 C12N2310/16 C12N2501/998 G01N33/6803 A61K2039/5158 C07K14/7051 A61K2039/5154 C07K14/435 C07K14/70539 C07K2319/40

US: 1/1 424/139.1 424/185.1



Family:

Publication number	Publication date	Application number	Application date
AR103220 AA	20170426	AR2015P104228	20151221
AU2015371490 AA	20170323	AU20150371490	20151216
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CA2972126 AA	20170623	CA20152972126	20151216
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KR20170090447 A	20170807	KR20177017192	20151216
MA40136 A1	20180531	MA20150040136	20151216
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SG11201703322U A1	20170728	SG20171103322	20151216
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Priority:

GB20140023016	20141223	US20140096165P	20141223	GB20150001017	20150121
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US20180134422	20180918				

Probable Assignee: IMMATICS BIOTECHNOLOGIES GMBH**Assignee(s):** (std): FRITSCHJE JENS ; IMMATICS BIOTECHNOLOGIES GMBH ; KUTSCHER SARAH ; MAHR ANDREA ; MULLER PHILLIP ; WEINSCHENK TONI ; WIEBE ANITA**Inventor(s):** (std): MUELLER PHILLIP ; KUTSCHER SARAH ; MAHR ANDREA ; WIEBE ANITA ; FRITSCHJE JENS ; WEINSCHENK TONI ; KUTSCHER SARA ; TONI WEINSCHENK ; ANDREA MAHR ; JENS FRITSCHJE ; PHILLIP MULLER ; SARA KUTSCHER ; PHILLIP MUELLER ; ANITA WIEBE ; SARAH KUTSCHER ; TONI WIEINSCHENK ; MISSEL SARAH ; MULLER PHILLIP**Inventor(s):** ANITA WEIBE**Agent(s):** PIZZEYS PATENT AND TRADE MARK ATTORNEYS PTY LTD; GOWLING WLG CANADA LLP; ESTUDIO CLARKE MODET AND CO CHILE LIMITADA; CAROLINA MERCEDES DAZA MONTALVO; KRAUSS JAN; DEACONS; BUDI RAHMAT SH; SHOJI TAKASHI; SUKENOBU YURIKO; MCBEE MOORE WOODWARD AND VANIK IP LLC; MCBEE SUSAN; KRAUSS JAN B**Designated states:** AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW**27) Family number: 59780977 (US2019270784A)**

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Title: NOVEL PEPTIDES AND COMBINATION OF PEPTIDES FOR USE IN IMMUNOTHERAPY AGAINST LUNG CANCER, INCLUDING NSCLC AND OTHER CANCERS

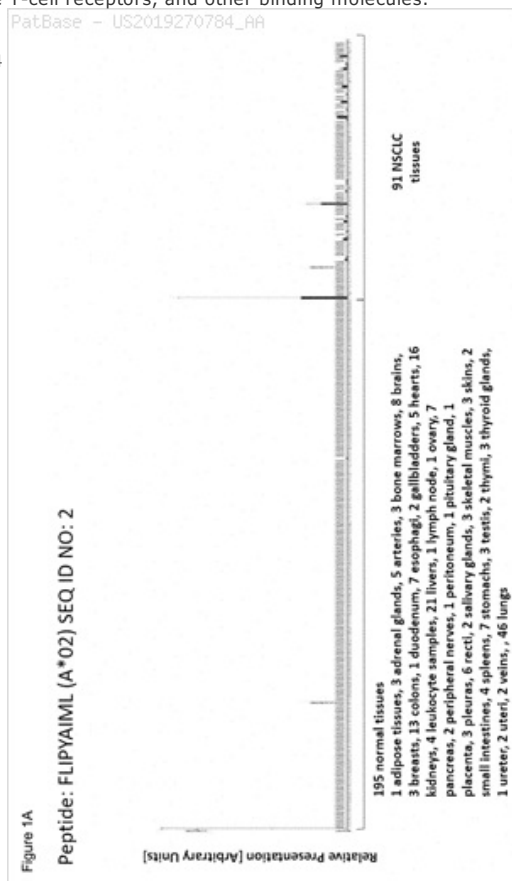
Abstract: The present invention relates to peptides, proteins, nucleic acids and cells for use in immunotherapeutic methods. In particular, the present invention relates to the immunotherapy of cancer. The present invention furthermore relates to tumor-associated T-cell peptide epitopes, alone or in combination with other tumor-associated peptides that can for example serve as active pharmaceutical ingredients of vaccine compositions that stimulate anti-tumor immune responses, or to stimulate T cells ex vivo and transfer into patients. Peptides bound to molecules of the major histocompatibility complex (MHC), or peptides as such, can also be targets of antibodies, soluble T-cell receptors, and other binding molecules.

Classifications:

International (IPC 8-9): A61K A61K35/17 A61K35/76 A61K38/08 A61K38/10 A61K38/16 A61K39/00 A61K39/395 A61K48/00 A61P1/04 A61P1/16 A61P1/18 A61P11/00 A61P13/08 A61P13/12 A61P15/00 A61P17/00 A61P25/00 A61P35/00 A61P35/02 C07K C07K14/47 C07K14/725 C07K14/74 C07K16/28 C07K16/30 C07K19/00 C07K7/00 C12N15/115 C12N15/12 C12N15/63 C12N15/85 C12N5/0783 C12N5/10 C12P21/02 C12Q1/68 C12Q1/6886 G01N33/574 G16B20/20 (Advanced/Invention); A61K (Subclass/Invention)

CPC: A61K39/0011 C07K14/4748 A61K35/17 C07K16/30 C12N15/115 C12N5/0636 C12N2310/16 C12Q2600/156 C07K14/70539 C12N5/0638 C07K16/2833 A61P35/00 G16B20/20 G01N33/57492 C12Q1/6886 C07K14/7051 C07K2319/00 C12N2501/50 C07K2319/74 C07K2319/33 C07K2319/55 C07K2319/30 C12Q2600/106 C12Q2600/112

PatBase - US2019270784_AA

**Family:**

Publication number	Publication date	Application number	Application date
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Priority:

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Probable Assignee: IMMATICS BIOTECHNOLOGIES GMBH

Assignee(s): (std): LEIBOLD JULIA ; WAGNER CLAUDIA ; SINGH HARPREET ; WEINSCHENK TONI ; MAHR ANDREA ;
SCHOOR OLIVER ; SONG COLETTE ; FRITSCHJE JENS ; IMMATICS BIOTECHNOLOGIES GMBH

Assignee(s): IMMATIKS BAJOTEKNOLODZHIZ GMBKH

Inventor(s): (std): WAGNER CLAUDIA ; MAHR ANDREA ; LEIBOLD JULI ; Schoor Oliver ; SONG COLETTE ; FRITSCHJE
JENS ; SINGH HARPREET ; WEINSCHENK TONI ; Schoorm Oliver ; LEIBOLD JULIA ; HARPREET
SINGH ; JENS FRITSCHJE ; OLIVER Schoor ; CLAUDIA WAGNER ; TONI WEINSCHENK ; ANDREA MAHR
; COLETTE SONG ; JULIA LEIBOLD

Inventor(s): JULI LEIBOLD ; MAR ANDREA ; VAJNSHENK TONI ; SHoor Oliver ; FRITSSHE DZHENS ; SINGKH
KHARPRIT ; VAGNER KLAUDIA ; LEJBOLD DZHULIYA ; SONG KOLETT

Agent(s): PIZZEYS PATENT AND TRADE MARK ATTORNEYS PTY LTD; GOWLING WLG CANADA LLP; ESTUDIO
CLARKE MODET AND CO CHILE LIMITADA; CAROLINA MERCEDES DAZA MONTALVO; KRAUSS JAN;
DEACONS; BUDI RAHMAT SH; SHOJI TAKASHI; SUKENOBU YURIKO; GOULING VLG INTERNESHNL INK
UGRYUMOV VLADISLAV MIKHAILOVICH; KRAUSS JAN B

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR
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