



- (51) International Patent Classification:
A61K 39/00 (2006.01) C07K 14/47 (2006.01)
- (21) International Application Number:
PCT/EP2016/055817
- (22) International Filing Date:
17 March 2016 (17.03.2016)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
1504502.4 17 March 2015 (17.03.2015) GB
62/134,253 17 March 2015 (17.03.2015) US
- (71) Applicant: IMMATICS BIOTECHNOLOGIES GMBH
[DE/DE]; Paul-Ehrlich-Straße 15, 72076 Tuebingen (DE).
- (72) Inventors: WEINSCHENK, Toni; Im Morgenrain 15,
73773 Aichwald (DE). FRITSCHKE, Jens; Lärchenweg 11,
72144 Dusslingen (DE). SINGH, Harpreet; Possartstrasse
16, 81679 Munich (DE). MAHR, Andrea; Kirschenweg
22, 72076 Tuebingen (DE). OTT, Martina; Burgunder-
weg 17, 72072 Tuebingen (DE). WAGNER, Claudia;
Nürtinger Strasse 32, 72074 Tuebingen (DE). SCHOOR,
Oliver; Herrenbergerstrasse 57, 72070 Tuebingen (DE).
- (74) Agent: BOEHMERT & BOEHMERT; Jan B. KRAUSS,
Pettenkoferstrasse 20 - 22, 80336 Munich (DE).

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

Published:

- with international search report (Art. 21(3))
- before the expiration of the time limit for amending the
claims and to be republished in the event of receipt of
amendments (Rule 48.2(h))
- with sequence listing part of description (Rule 5.2(a))

(54) Title: NOVEL PEPTIDES AND COMBINATION OF PEPTIDES FOR USE IN IMMUNOTHERAPY AGAINST PANCRE-
ATIC CANCER AND OTHER CANCERS

(57) 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.

