

Search history

Search 1: SFT=(combustion w1 chambers) (Results 57067)
Search 2: SFT=(combustion chambers) (Results 56965)
Search 3: SFT=(combustion w1 chambers) and CPC=(B29C35/04) (Results 0)
Search 4: SFT=(combustion w1 chambers) and CPC=(B29C35/04 or B22C15/23 or F24F3/04) (Results 0)
Search 5: SFT=(combustion chambers) and CPC=(B29C35/04 or B22C15/23 or F24F3/04) (Results 0)
Search 6: SFT=(combustion chambers) and CPC=(B29C35/04 or B22C15/23 or F24F3/04 or B29C49/64) (Results 0)
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Search 8: SFT=(molded) and CPC=(B29C35/04 or B22C15/23 or F24F3/04 or B29C49/64) (Results 359)
Search 9: SFT=(recirculation) and CPC=(B29C35/04 or B22C15/23 or F24F3/04 or B29C49/64) (Results 29)
Search 10: 8 and 9 (Results 8)
Search 11: FT=(HIGH~ AND PRECISION~ AND GAS~ AND HEATING~ AND SYSTEM~ AND FOR~ AND TEMPERATURE~ AND CONTROL~) (Results 200458)
Search 12: CPC=(B29C49/64) (Results 522)
Search 13: 12 and 11 (Results 37)

1) Family number: 54144004 (US2013164474A)

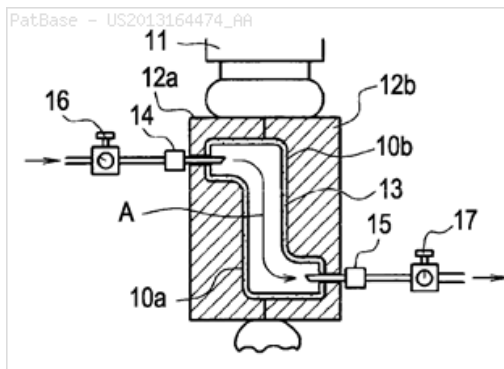
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Title: METHOD OF FORMING HOLLOW BLOW-MOLDED FOAM AND SUCH HOLLOW BLOW-MOLDED FOAM

Abstract: An object of the present invention is to provide a method of forming a hollow blow-molded foam and also provide such a hollow-molded foam, which are capable of improving a flow-rate efficiency of a fluid that flows through the inside of the hollow blow-molded foam. A foaming resin is sandwiched between molds so that a hollow blow-molded foam having a ventilation path is molded, and a fluid for use in cooling the hollow blow-molded foam is allowed to flow through the ventilation path so that the hollow blow-molded foam is cooled.

Classifications:

International (IPC 8-9): B29C35/16 B29C44/08 B29C49/64 B29D22/00 B32B1/00 (Advanced/Invention); B29K105/04 B29K23/00 B29L22/00 (Advanced/Non-invention)
CPC: B29C35/16 B29C44/08 B29C49/64 B29C2035/1658 B29C2035/1691 B29K2023/0625 B29K2023/12 B29K2105/04 B29K2995/0073 B29L2022/00 Y10T428/1376
US: 1/1 264/48 428/36.5



Family:

Publication number	Publication date	Application number	Application date
US2013164474 AA	20130627	US20110336176	20111223
US9266259 BB	20160223	US20110336176	20111223

Priority:

US20110336176 20111223

Probable Assignee: KYORAKU CO LTD

Assignee(s): (std): IGARASHI YU ; KYORAKU CO LTD ; OHNO YOSHINORI ; ONODERA MASAOKI

Inventor(s): (std): ONODERA MASAOKI ; IGARASHI YU ; OHNO YOSHINORI

Agent(s): MAINE CERNOTA AND RARDIN

2) Family number: 44451031 (US2011146202A)

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Title: METAL MOLD FOR COMPRESSION-MOLDING PREFORM, PREFORM, SYSTEM FOR ASEPTICALLY FILLING BEVERAGES AND FOODS USING THE SAME AND METHOD OF PRODUCING BLOW-MOLDED CONTAINERS

Abstract: [Problem] To realize a predetermined "aseptic level of the containers" without introducing a container sterilizing machine and to reduce the burden for adjusting the temperature of the preform. [Means for Solution] A metal mold for molding, wherein a space width (t2) of at least the body portion in the space width for forming a thickness of from the body portion to the bottom portion of the preform is set to lie in a range of 1.18 to 2.11 times as great as a space width (t1) for forming a thickness of an upper end portion of the mouth portion of the preform. At the time of the compression molding, the

preform is taken out in the state of a high temperature from a compression-molding machine 31 and is fed to a bottle-producing unit C while maintaining the state of a high temperature. Further, the inner surfaces of a clean box I in which the units are placed and the outer surfaces of the units are sterilized, and the interior of the clean box I maintains a positive-pressure state with the filtered clean air. The bottle-producing unit C and a filling/sealing unit D are neighboring and directly coupled to each other in the same clean box, and are partitioned by a WBZ 54.

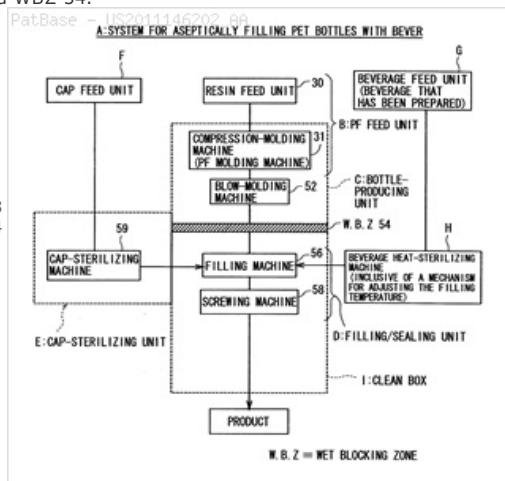
Classifications:

International (IPC 8-9): B29B11/12 B29C43/36 B29C49/02 B29C49/42 B29C49/64 B29C49/70 B29D22/00 B29K67/00 B29L22/00 B32B1/02 B65B3/02 B65B55/02 B67B3/00 B67C3/00 B67C7/00 (Advanced/Invention); B29K67/00 B29L22/00 B67C3/22 (Advanced/Non-invention); B29C49/02 B29C49/42 B65B3/02 B65B55/02 B67C3/00 B67C7/00 (Core/Invention)

CPC: B29B11/12 B29B11/14 B29B2911/1402 B29B2911/14026 B29B2911/14033 B29B2911/1404 B29B2911/14106 B29B2911/14213 B29B2911/14326 B29B2911/14333 B29B2911/14413 B29B2911/1444 B29B2911/14466 B29C43/08 B29C43/34 B29C43/42 B29C49/02 B29C2049/028 B29K2067/00 B29K2067/046 B29K2105/258 B29L2001/00 B67C7/00 B67C2003/227 Y10T428/1397 B29C49/64 B29D22/003 B65B3/022 B65B55/027 B67B3/003

European: B29B11/12 B29B11/14 B29C43/08 B29C43/34 B29C43/42 L29B911/14B2B L29B911/14B2D L29B911/14B2F L29B911/14B2H L29B911/14B4L L29B911/14B4T L29B911/14D10D2 L29B911/14D10D4D2 L29B911/14D10D4F L29B911/14D2 L29B911/14D4 L29C49/02 L29K105/25C6 L29K67/00 L29K67/04D L29L1/00 L67C3/22M L67C7/00

US: 425/525 425/525S 425/534 425/534S 428/36.92 428/36.920S 53/167 53/167P 53/281 53/561



Family:

Publication number	Publication date	Application number	Application date
■ CN102196889 A	20110921	CN200980142668	20090819
■ CN102196889 B	20141015	CN200980142668	20090819
■ EP2324987 A1	20110525	EP20090809817	20090819
■ EP2324987 A4	20151216	EP20090809817	20090819
■ JP2010052294 A2	20100311	JP20080220165	20080828
■ JP2010247336 A2	20101104	JP20090095940	20090410
■ JP5382298 B2	20140108	JP20080220165	20080828
■ JP5463716 B2	20140409	JP20090095940	20090410
■ TH125492 A	20130717	TH20091003838	20090826
■ TH68485 B	20190301	TH20091003838	20090826
■ US2011146202 AA	20110623	US20090059750	20090819
■ US8800248 BB	20140812	US20090059750	20090819
■ WO10024165 A1	20100304	WO2009JP64530	20090819

Priority:

JP20080220165 20080828 JP20090095940 20090410 WO2009JP64530 20090819

Probable Assignee: TOYO SEIKAN KAISHA LTD

Assignee(s): (std): IWASHITA TAKESHI ; MONZEN HIDETO ; TOYO SEIKAN KAISHA LTD ; KONDOU HIROYUKI ; IMATANI TSUNEO ; FUKABORI HOTAKA ; HASHIMOTO HIROYUKI

Assignee(s): IMATANI TSUNEO ; HASHIMOTO HIROYUKI ; FUKABORI HOTAKA ; IWASHITA TAKESHI ; MONZEN HIDETO ; KONDOU HIROYUKI

Inventor(s): (std): KONDO HIROYUKI ; FUKAHORI HODAKA ; HOTAKA FUKABORI ; TSUNEO IMATANI ; HIROYUKI HASHIMOTO ; TAKESHI IWASHITA ; HIDETO MONZEN ; HIROYUKI KONDOU ; IMATANI TSUNEO ; HASHIMOTO HIROYUKI ; KONDOU HIROYUKI ; FUKABORI HOTAKA ; MONZEN HIDETO ; IWASHITA TAKESHI

Inventor(s): KONDOU HIROYUKI ; MONZEN HIDETO ; IMATANI TSUNEO ; HASHIMOTO HIROYUKI ; FUKABORI HOTAKA ; IWASHITA TAKESHI

Agent(s): MUELLER BORE AND PARTNER PATENTANWALTE; GREENBLUM AND BERNSTEIN PLC; ONO HISAZUMI 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 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 NZ 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

3) Family number: 77625036 (WO20030314A1)

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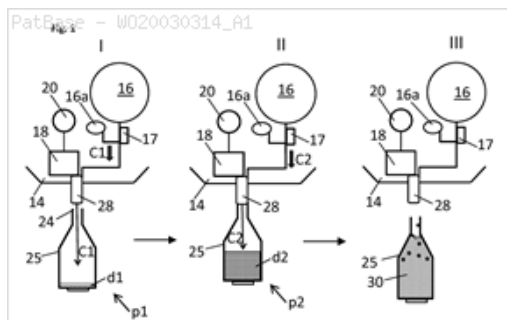
Title: METHOD FOR FILLING CONTAINERS WITH A CO₂-CONTAINING LIQUID PRODUCT

Abstract: The invention relates to a method for filling containers (25) with a CO₂-containing liquid product (30) having a given product CO₂ content. In the method, the containers (25) are transferred to a filling machine (14) with filling elements (28) and are filled by the provided filling elements (28), wherein the containers used are plastic containers produced by stretch-blow molding and wherein each container (25), at the start of the filling procedure, in a first filling phase, is pressurized to a first pressure (p1) and subsequently, in a second filling phase, the pressure in the container (25) is raised to at least a second pressure (p2). In the first filling phase, a volume of a first product component (C1) having a first CO₂ content is supplied to the filling element (28) and is introduced into the container by the filling element (28) and, in the second filling phase, a volume of a second product component (C2) having a second CO₂ content is supplied to the filling element (28) and is introduced into the container by the filling element (28). In that context, at least one of the CO₂ contents of the product components (C1, C2) is higher than the given product CO₂ content of the liquid product, wherein the first filling phase and the second filling phase are determined with respect to one another such that the liquid product (30) in the completely filled container (25) has the given product CO₂ content.

Classifications:

International (IPC 8-9): B29C49/64 B67C3/06 B67C3/22 (Advanced/Invention)

CPC: B67C3/06 B67C2003/227 B29C49/64



Family:

Publication number	Publication date	Application number	Application date
DE102018119550 A1	20200213	DE201810119550	20180810
WO20030314 A1	20200213	WO2019EP63315	20190523

Priority:

DE201810119550 20180810

Probable Assignee: KHS GMBH

Assignee(s): (std): KHS GMBH

Inventor(s): (std): MUSZINSKI OLAF ; STOLTE THOMAS

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

4) Family number: 71410049 (US2018281267A)

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Title: HVAC, PUMP, AND DEHUMIDIFIER COMBINED UTILITIES SKID SUPPORTING BLOW-MOLDING MACHINES

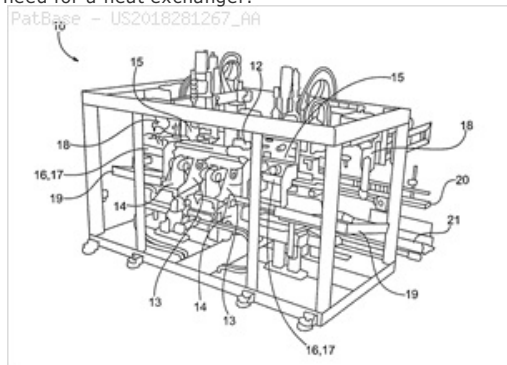
Abstract: A multi-functional utility skid for use with an air compressor, a chiller, and a connection having a first end engaging the chiller and a second end to provide utilities to a blow-molding machine for blow-molding articles. The skid is located proximate the machine and includes a pump engaging the second end of the connection, receiving chilled water from the chiller, being located proximate the chiller to minimize the length of the connection, and providing chilled water to both the machine and a separate supply of chilled water. The skid further includes an integral unit combining a dehumidifier that controls the humidity of the environment surrounding the machine with a heating, ventilation, and air conditioning unit that receives the supply of chilled water from the pump, controls the temperature of the environment surrounding the machine, and supplies conditioned air to the dehumidifier thereby avoiding the need for a heat exchanger.

Classifications:

International (IPC 8-9): B29C49/28 B29C49/64 F24F1/02 F24F1/04 F24F13/02 F24F13/32 F24F3/14 (Advanced/Invention)

CPC: B29C49/64 F24F1/022 F24F1/04 F24F2110/10 F24F13/02 F24F13/32 B29C49/28 F24F3/1411 F24F2003/1458 F24F2110/20 B29C49/46 B29C2049/4602 B29C2049/4673 B29C2049/4641

US: 1/1 425/526



Family:

Publication number	Publication date	Application number	Application date
US2018281267 AA	20181004	US20180937946	20180328

Priority:

US20170478979P 20170330

US20180937946 20180328

Probable Assignee:

GRAHAM PACKAGING CO LP

Assignee(s): (std):

GRAHAM PACKAGING CO LP

Inventor(s): (std):

REICHLER JOHN R ; HAVEKOTTE THOMAS

5) Family number: 43257157 (US2009130353A)

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Title: PLASTIC BABY BOTTLES, OTHER BLOW MOLDED ARTICLES, AND PROCESSES FOR THEIR MANUFACTURE

Abstract: The invention is generally directed to baby bottles and other articles produced by blow molding from polymeric materials having glass transition temperatures ranging from 100 degrees centigrade to 130 degrees centigrade, as well as to processes for producing them. These articles can be exposed to boiling water and can be produced by using a suitable combination of a stretch ratio of less than 3 and a preform temperature at least 20 degrees centigrade greater than the glass transition temperature (Tg) of the polymeric material.

Classifications:

International (IPC 8-9): A61J A61J9/00 B29C B29C35/02 B29C43/00 B29C49/00 B29C49/06 B29C49/08 B29C49/42 B29C49/64 B29C49/78 B29D22/00 B29D23/00 B29K67/00 B32B1/02 B65D1/00 B65D1/02 C08F283/04 C08F8/00 C08G63/00

C08G63/127 C08G63/16 C08G63/18 C08G63/183 C08G63/199 C08G63/54 C08G65/48 C08J5/00 C08L C08L67/02
C08L69/00 C09K19/00 (Advanced/Invention);
B29C49/00 B29C49/78 B29K67/00 B32B1/02 (Advanced/Non-invention);
A61J9/00 B29C49/00 B29C49/08 B29C49/64 B29C49/78 B32B1/00 C08L67/00 (Core/Invention);
A61J B29C C08L (Subclass/Invention)
CP: Y10T428/105 Y10T428/1352 Y10T428/1397 B29C49/64 A61J9/00 B29B2911/1402 B29B2911/14026 B29B2911/14033
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B29L2031/7158 B29D22/003
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L29K25/00 L29K33/08 L29K67/00 L29K69/00 L29K995/00F9 L29L31/7158 M08G63/199
US: 215/11.1 215/11.100P 264/500 264/500S 264/521 264/521S 426/117 428/1.33 428/35.7 428/35.700P 428/35.700S
428/36.92 525/165 525/173 525/177 525/390 525/397 525/425 525/439 525/444 528/302 528/304 528/305 528/307
528/308.6 528/308.600S

Family:

Publication number	Publication date	Application number	Application date
CA2705870 AA	20090604	CA20082705870	20081120
CN101868340 A	20101020	CN200880118121	20081120
CN101868340 B	20160420	CN200880118121	20081120
CN103108737 A	20130515	CN201180045713	20110920
DE602008025076 D1	20130725	DE200860025076T	20081120
EP2225084 A2	20100908	EP20080855499	20081120
EP2225084 B1	20130529	EP20080855499	20081120
EP2618984 A2	20130731	EP20110764635	20110920
EP2618984 B1	20190529	EP20110764635	20110920
HK1143564 A1	20140307	HK20100109633	20101012
HK1143564 A1	20110218	HK20100109633	20101012
HK1143564 B	20140307	HK20100109633	20101012
JP2011505269 T2	20110224	JP20100534964T	20081120
JP2013543454 T2	20131205	JP20130530219T	20110920
JP2015083378 A2	20150430	JP20140211482	20141016
JP2016020092 A2	20160204	JP20150141959	20150716
JP5635411 B2	20141203	JP20100534964T	20081120
JP5947855 B2	20160706	JP20140211482	20141016
JP6039564 B2	20161207	JP20130530219T	20110920
KR101790591 B1	20171026	KR20167006067	20081120
KR101895184 B1	20180904	KR20177030253	20081120
KR20100087171 A	20100803	KR20107011050	20081120
KR20160031057 A	20160321	KR20167006067	20081120
KR20170121312 A	20171101	KR20177030253	20081120
US2009130353 AA	20090521	US20080274692	20081120
US2011042338 AA	20110224	US20100888648	20100923
US2012328815 AA	20121227	US20120596754	20120828
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US8501287 BB	20130806	US20100888648	20100923
US8501292 BB	20130806	US20120596754	20120828
WO09070238 A2	20090604	WO2008US12967	20081120
WO09070238 A3	20100429	WO2008US12967	20081120
WO12040135 A2	20120329	WO2011US52247	20110920
WO12040135 A3	20120907	WO2011US52247	20110920

Priority:

US20070989489P 20071121	US20080034547P 20080307	US20080034547 20080307
EP20080855499 20081120	JP20100534964 20081120	JP20100534964T 20081120
JP20140211482 20081120	US20080274692 20081120	WO2008US12967 20081120
US20100888648 20100923	WO2011US52247 20110920	US20120596754 20120828
JP20150141959 20150716		

Probable Assignee: EASTMAN CHEMICAL CO

Assignee(s): (std): EASTMAN CHEM CO ; GILLIAM SPENCER ALLEN ; MCCRARY ROBERT ELLIS ; PECORINI THOMAS JOSEPH ; PHILLIPS ALAN KEITH

Assignee(s): EASTMAN CHEMICAL CO ; EASTMAN CHEMICAL CO KINGSFORT ; EASTMAN CHEMICAL COMPANY

Inventor(s): (std): KEITH PHILLIPS ALAN ; JOSEPH PECORINI THOMAS ; ALLEN GILLIAM SPENCER ; ALAN KEITH PHILLIPS ; THOMAS JOSEPH PECORINI ; MCCRARY ROBERT ELLIS ; PHILLIPS ALAN KEITH ; GILLIAM SPENCER ALLEN ; PECORINI THOMAS JOSEPH

Inventor(s): PECORINI THOMAS JOSEPH KINGSFORT ; GILLIAM SPENCER ALLEN KINGSFORT ; PHILLIPS ALAN KEITH JOHNSON CITY

Agent(s): WALLINGER RICKER SCHLOTTER TOSTMANN PATENT U RECHTSANWAELTE PARTNERSCHAFT MBB ; RICKER MATHIAS ; WILLIAMS DAVIS HILL AND CO ; YAMAMOTO OSAMU ; TAKEUCHI SHIGEO ; ONO SHINJIRO ; MATSUYAMA MINAKO ; KOBAYASHI YASUSHI ; BETTY JOY BOSHEARS,EASTMAN CHEMICAL COMPANY; BETTY JOY BOSHEARS EASTMAN CHEMICAL CO; JENNIFER R; BETTY J; BETTY JOY; BOSHEARS BETTY J; KNIGHT JENNIFER R

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 QA RO RS RU RW SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG UZ VC VN ZA ZM ZW

Title: METHOD AND DEVICE FOR APPLYING A FLUID TO END WALLS OF THERMOPLASTIC CONTAINERS, ESPECIALLY FOR COOLING THE HOT END WALLS OF CONTAINERS LEAVING A MOULDING UNIT

Abstract: The invention relates to the application of a fluid, especially a liquid, to a hot end wall (2) of at least one thermoplastic container (1). For this purpose, a spongy mass (4) impregnated with the fluid is brought into contact with the end wall (2) of said at least one container (1), said spongy mass being held in contact with the end wall (2) for a predetermined time. Application in particular to the cooling of the hot end walls of containers leaving a blow moulding or stretch-blow moulding unit.

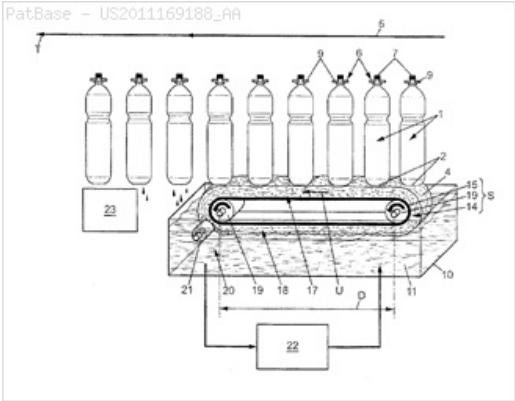
Classifications:

International (IPC 8-9): B29C35/16 B29C49/64 B29C71/00
B65G25/00 B65G35/00 (Advanced/Invention);
B29C35/16 (Advanced/Non-invention);
B29C35/00 B29C49/64 (Core/Invention);
B29C35/00 (Core/Non-invention)

CPC: B29C35/16 B29C49/64 B29C2035/1616 B29K2067/00
B29L2031/7158 B29L2031/7406

European: B29C35/16 B29C49/64 L29C35/16B L29K67/00
L29L31/7158 L29L31/7406

US: 198/803.3 198/803.8 198/803.9 264/237 264/237P 264/348
264/523 425/445 425/445S



Family:

Publication number	Publication date	Application number	Application date
AT534504 E	20111215	AT20090740413T	20090730
CN102137747 A	20110727	CN200980134679	20090730
DE602009003844 D1	20120216	DE200960003844T	20090730
EP2326482 A2	20110601	EP20090740413	20090730
EP2326482 B1	20111123	EP20090740413	20090730
ES2378195 T3	20120409	ES20090740413T	20090730
FR2934517 A1	20100205	FR20080055282	20080731
FR2934517 B1	20130426	FR20080055282	20080731
MX2011001216 A1	20110315	MX20110001216	20090730
US2011169188 AA	20110714	US20090056551	20090730
US8574477 BB	20131105	US20090056551	20090730
WO10012957 A2	20100204	WO2009FR51530	20090730
WO10012957 A3	20100325	WO2009FR51530	20090730

Priority:

FR20080055282 20080731 EP20090740413 20090730 WO2009FR51530 20090730

Probable Assignee: SIDEL PARTICIPATIONS

Assignee(s): (std): DERRIEN MIKAEL ; FEUILLOLEY GUY ; PERNEL YANN ; SIDEL PARTICIPATIONS

Inventor(s): (std): FEUILLOLEY GUY ; DERRIEN MIKAEL ; PERNEL YANN ; MIKAEL DERRIEN ; YANN PERNEL ; GUY FEUILLOLEY

Agent(s): CABINET PLASSERAUD; DURAN LUIS ALFONSO; PLASSERAUD IP; SUGHRUE MION PLLC; RELIGIEUX BERNARD 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

7) Family number: 44321176 (WO10012959A2)

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Title: METHOD AND DEVICE FOR RAPIDLY REMOVING AT LEAST MOST OF A LIQUID PRESENT ON END WALLS OF THERMOPLASTIC CONTAINERS

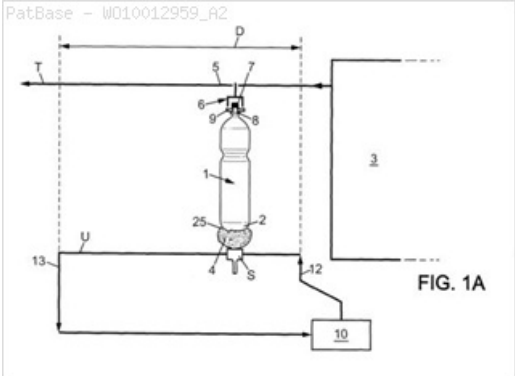
Abstract: The invention relates to the rapid removal of at least most of a liquid present on an end wall (2) of at least one thermoplastic container (1). For this purpose, a wrung-out spongy mass (4) is brought into contact with the end wall (2) of said at least one container (1) and held in contact with the end wall (2) for a predetermined time so that said spongy mass (4) is impregnated with liquid. Application in particular to the removal of a liquid for cooling the hot end wall (2) of a container (1) leaving a blow moulding or stretch-blow moulding unit.

Classifications:

International (IPC 8-9): B29C35/16 B29C49/42 B29C49/64
B67C3/22 B67C3/24 (Advanced/Invention);
B29C35/16 B29C49/64 (Advanced/Non-invention);
B29C35/00 B29C49/42 B29C49/64 B67C3/02 (Core/Invention);
B29C35/00 B29C49/64 (Core/Non-invention)

CPC: B29C49/42 B29C49/64 B29C2035/1616 B29K2067/00
B29L2031/7172 B29L2031/7406

European: B29C49/42 L29C35/16B L29C49/64 L29K67/00
L29L31/7172 L29L31/7406



Family:

Publication number	Publication date	Application number	Application date
FR2934516 A1	20100205	FR20080055284	20080731
WO10012959 A2	20100204	WO2009FR51532	20090730
WO10012959 A3	20100325	WO2009FR51532	20090730

Priority:

FR20080055284 20080731

Probable Assignee: SIDEL PARTICIPATIONS

Assignee(s): (std): DERRIEN MIKAEL ; FEUILLOLEY GUY ; SIDEL PARTICIPATIONS

Inventor(s): (std): DERRIEN MIKAEL ; FEUILLOLEY GUY

Inventor(s): MIKAEL DERRIEN ; GUY FEUILLOLEY

Agent(s): CABINET PLASSERAUD ; RELIGIEUX BERNARD 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 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

8) Family number: 59088185 (DE102013018653A1)

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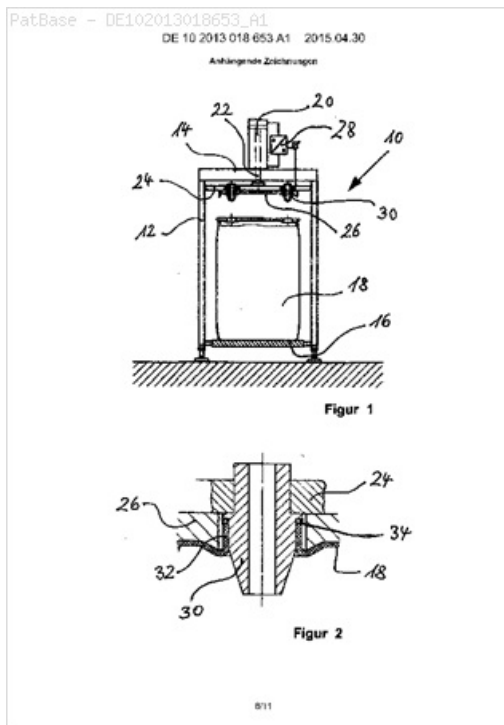
Title: NACHKUEHLVORRICHTUNG Aftercooler (Machine translation)

Abstract: Source: DE102013018653A1 [DE] Die vorliegende Erfindung betrifft eine Nachkuehlvorrichtung (10) zum Nachkuehlen von blasgeformten Kunststoff-Hohlkoerpern (18), die direkt nach dem Blasformvorgang mit vergleichsweise noch sehr hohen Materialtemperaturen aus der Blasform entnommen wurden und demgemaess noch erhebliche Prozesswaerme enthalten. Die Nachkuehlvorrichtung (10) weist eine scheibenfoermige Kuehlplatte (26) auf, die von oben konturgetreu mit dem zu kuehlenden Hohlkoerper (18) in Beruehrungskontakt steht. Die obere Kuehlplatte (26) ist waehrend des Nachkuehlvorganges mittels eines gesteuerten Aktuatorantriebes zur Aufrechterhaltung einer gleichbleibenden Kuehlwirkung unter Beruecksichtigung der produktspezifischen Schrumpfungslaenge in vorgebbarer Weise mit einem einstellbaren Anpressdruck in Vertikalrichtung verfahrbar ausgebildet. **Machine translation:** The present invention relates to an aftercooler (10) for cooling down of blow-molded plastic Hohlkoerpern (18), which were taken immediately after the blow molding operation with comparatively very high material temperatures from the blow mold and accordingly contain more substantial process heat. The aftercooler (10) has a scheibenfoermige Kuehlplatte (26) which is conformed from the top to the kuehlenden Hohlkoerper (18) in Beruehrungskontakt. The upper Kuehlplatte (26) during the Nachkuehlvorganges means of a controlled Aktuatorantriebes to maintain a constant Kuehlwirkung formed the basis of product specific Schrumpfungslaenge in predeterminable manner with an adjustable contact pressure vertically movable.

Classifications:

International (IPC 8-9): B29C49/64 (Advanced/Invention)

CPC: B29C49/64



Family:

Publication number	Publication date	Application number	Application date
DE102013018653 A1	20150430	DE201310018653	20131031

Priority:

DE201310018653 20131031

Probable Assignee: MAUSER WERKE GMBH

Assignee(s): (std): MAUSER WERKE GMBH

Inventor(s): (std): SCHUELLER FRANK ; ORNAT DIEGO MAYLIN ; JACOBS JAN PETER ; HUMRICH UWE

9) Family number: 7554211 (US3778223A)

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Title: DEVICE FOR INJECTION BLOW MOLDING PVC BOTTLES

Abstract: Core rods or mandrels, on which PVC parisons are first injection molded and subsequently blown into bottles, are thermally conditioned prior to injection molding of the parison thereon, by a heating unit including means for selectively heating various segments of the core rod along the length thereof. In the preferred form of the present invention, compressed air is passed through a tubular electrical resistance heating element along the length thereof and reversed at one end thereof so as to pass in an opposite direction through an annular space surrounding the tubular heating element. The outer wall of the annular space includes numerous openings aligned with the core rod to be thermally conditioned, each of these individual openings being disposed so as to direct heated air onto a preselected segment of the core rod. Preferably the device also includes baffles or side walls to direct the heated air over the core rod being treated.

Classifications:

International (IPC 8-9): B29C35/00 B29C49/64 (Advanced/Invention);
B29C35/04 (Advanced/Non-invention);
B29C35/00 B29C49/64 (Core/Invention);
B29C35/04 (Core/Non-invention)

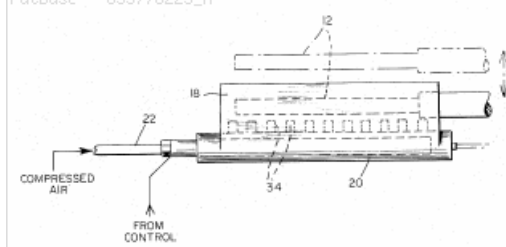
International (IPC 1-7): F27D3/00

CPC: B29C35/007 B29C35/045 B29C49/64

European: B29C35/00B B29C49/64 L29C35/04C

US: 392/473 392/480 432/227

PatBase - US3778223_R



Family:

Publication number	Publication date	Application number	Application date
US3778223 A	19731211	US19710189930	19711018

Priority:

US19710189930 19711018

Probable Assignee: WHEATON INDUSTRIES

Assignee(s): (std): WHEATON IND ; WHEATON INDUSTRIES

Assignee(s): WHEATON IND US

Inventor(s): (std): MOSHINSKY R ; TAMAGNI A ; WHEATON T

Inventor(s): WHEATON T US ; TAMAGNI A US ; MOSHINSKY R US

10) Family number: 33366219 (US2008166445A)

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Title: METHOD AND DEVICE FOR THE BLOW-MOLDING OF CONTAINERS

Abstract: The method and the device serve for the blow moulding of containers (2). Preforms (1) of a thermoplastic material are heated in the region of a heating path (24) and then transferred to a blowing device (25). The blowing device (25) is provided with at least one blowing station (3) for moulding the preforms (1) into the containers. The preforms (1) are retained along at least a section of the transport path thereof by a support element (46) which is at least partly loosely introduced into a mouth section (21) of the preform (1) and tightened in the mouth section (21) after the introduction thereof.

Classifications:

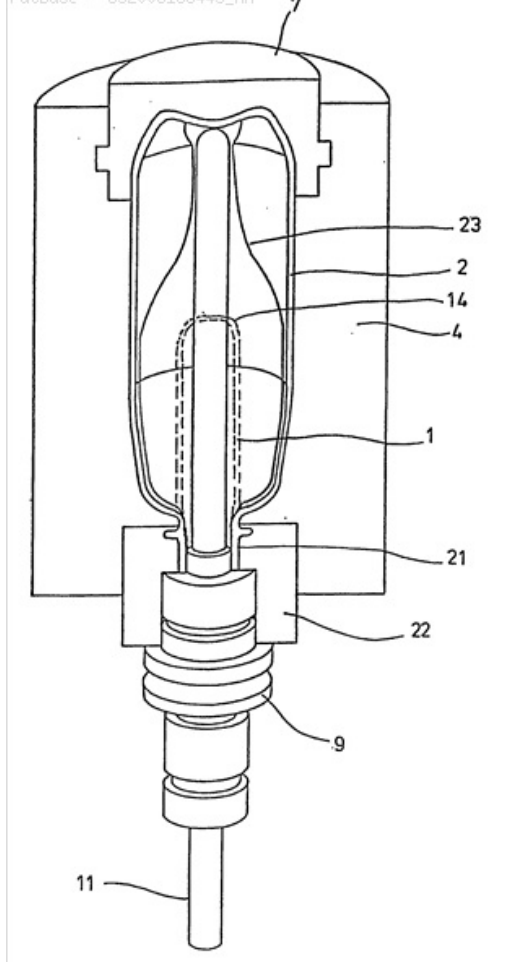
International (IPC 8-9): B29C31/08 B29C33/26 B29C49/10
B29C49/12 B29C49/36 B29C49/42 B29C49/64 B29C49/68
B29K23/00 B29K67/00 (Advanced/Invention);
B29C49/12 B29C49/36 B29C49/64 B29K23/00
B29K67/00 (Advanced/Non-invention);
B29C31/04 B29C49/08 B29C49/42 (Core/Invention)

CPC: B29C33/26 B29C49/12 B29C49/36 B29C49/4205 B29C49/64
B29K2023/12 B29K2067/00 B29L2031/7158

European: B29C49/42B L29C33/26 L29C49/12 L29C49/36
L29C49/64 L29K23/12 L29K67/00 L29L31/7158

US: 198/803.12 198/803.7 264/535 264/535S 425/526 425/526P
425/534

PatBase - US2008166445_RH



Family:

Publication number	Publication date	Application number	Application date
 CN101142072 A	20080312	CN200580049100	20051223
 CN101142072 B	20120530	CN200580049100	20051223
 DE102005011805 A1	20070111	DE200510011805	20050315
 DE502005015125 D1	20160414	DE200550015125T	20051223
 EP1858689 A1	20071128	EP20050821553	20051223
 EP1858689 B1	20160302	EP20050821553	20051223
 JP2008532809 T2	20080821	JP20080501143T	20051223
 US2008166445 AA	20080710	US20050886381	20051223
 US7674424 BB	20100309	US20050886381	20051223
 WO06097056 A1	20060921	WO2005DE002313	20051223

Priority:

DE200510011805 20050315 EP20050821553 20051223 WO2005DE002313 20051223
WO2005DE02313 20051223

Probable Assignee: KHS CORPOPLAST GMBH

Assignee(s): (std): BAUMGARTE ROLF ; KHS CORPOPLAST GMBH ; KHS CORPOPLAST GMBH AND CO KG ; LINKE MICHAEL ; SIG TECHNOLOGY LTD ; LITZENBERG MICHAEL

Inventor(s): (std): ROLF BAUMGARTE ; MICHAEL LITZENBERG ; MICHAEL LINKE ; LINKE MICHAEL ; LITZENBERG MICHAEL ; BAUMGARTE ROLF

Agent(s): MEISSNER BOLTE AND PARTNER GBR; HAUSFELD NORBERT; FRIEDRICH KUEFFNER; FRIEDRICH

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