

Title (en)

Container and device for indirect cooling of goods and method for producing the container

Title (de)

Behälter und Vorrichtung für mittelbare Güttekühlungen sowie Verfahren zur Herstellung des Behälters

Title (fr)

Réceptient et dispositif pour réfrigérations de marchandises directes ainsi que procédé de fabrication du réceptient

Publication

EP 2199713 A3 20120502 (DE)

Application

EP 09015245 A 20091209

Priority

- DE 102008064178 A 20081222
- US 13988008 P 20081222

Abstract (en)

[origin: EP2199713A2] The container has a container body with two container layers that are in heat conductive contact with different thermal conductivities. The thermal conductivities differ by a factor greater than 10, particularly greater than 20, particularly greater than 100. A layer with lower thermal conductivity is formed from a material which comprises stainless steel, steel, ceramics, glass, nanomaterial or plastic material. Another layer with higher heat conductivity, is formed from a material which comprises aluminum, gold, carbon, copper, magnesium, brass, silver or silicon or alloys. Independent claims are also included for: (1) a device for handling, particularly centrifugation, stirring or cooling of goods, particularly a laboratory centrifuge; and (2) a method for producing a container.

IPC 8 full level

F25D 19/00 (2006.01); **B04B 15/02** (2006.01); **F25D 31/00** (2006.01)

CPC (source: EP US)

B04B 15/02 (2013.01 - EP US); **F25D 19/00** (2013.01 - EP US); **F25D 19/006** (2013.01 - EP US); **F25D 31/006** (2013.01 - EP US); **F28D 1/06** (2013.01 - EP US); **F28F 13/18** (2013.01 - EP US); **F28F 2013/006** (2013.01 - EP US); **F28F 2255/00** (2013.01 - EP US); **F28F 2270/00** (2013.01 - EP US); **Y10T 29/4935** (2015.01 - US)

Citation (search report)

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- [X] FR 2461215 A1 19810130 - HUTOGEPGYAR [HU]
- [X] DE 202004014916 U1 20041230 - TALL & STOUT IND CORP [TW]
- [X] JP H0225045 U 19900219
- [AD] US 5477704 A 19951226 - WRIGHT HERSCHEL E [US]
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Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

Designated extension state (EPC)

AL BA RS

DOCDB simple family (publication)

EP 2199713 A2 20100623; **EP 2199713 A3 20120502**; **EP 2199713 B1 20180829**; DE 102008064178 A1 20100701; PL 2199713 T3 20190329; US 2010155037 A1 20100624; US 2012264582 A1 20121018; US 8845967 B2 20140930

DOCDB simple family (application)

EP 09015245 A 20091209; DE 102008064178 A 20081222; PL 09015245 T 20091209; US 201213539137 A 20120629; US 64456809 A 20091222