

Title (en)
LABORATORY CENTRIFUGE HAVING A COMPRESSOR COOLING DEVICE AND METHOD FOR CONTROLLING A COMPRESSOR COOLING DEVICE OF A LABORATORY CENTRIFUGE

Title (de)
LABORZENTRIFUGE MIT KOMPRESSORKÜHLEINRICHTUNG UND VERFAHREN ZUR STEUERUNG EINER KOMPRESSORKÜHLEINRICHTUNG EINER LABORZENTRIFUGE

Title (fr)
CENTRIFUGEUSE DE LABORATOIRE COMPORTANT UN DISPOSITIF DE REFROIDISSEMENT À COMPRESSEUR ET PROCÉDÉ DE COMMANDE D'UN DISPOSITIF DE REFROIDISSEMENT À COMPRESSEUR D'UNE CENTRIFUGEUSE DE LABORATOIRE

Publication
EP 2814617 B1 20200122 (DE)

Application
EP 13705913 A 20130213

Priority
• DE 102012002593 A 20120213
• US 201261597916 P 20120213
• EP 2013000415 W 20130213

Abstract (en)
[origin: WO2013120604A2] The present invention relates to a centrifuge having a compressor cooling device (30) and to methods for controlling a compressor cooling device (30) of a centrifuge. The centrifuge according to the invention has a controllable throttle device (39) in the refrigeration circuit (41) of the compressor cooling device (30).

IPC 8 full level
B04B 15/02 (2006.01)

CPC (source: EP US)
B04B 15/02 (2013.01 - EP US); **F25B 49/022** (2013.01 - EP US); **F25B 2400/0403** (2013.01 - EP US); **F25B 2600/025** (2013.01 - EP US);
F25B 2600/2513 (2013.01 - EP US); **F25B 2700/21171** (2013.01 - EP US); **F25B 2700/21174** (2013.01 - EP US);
F25B 2700/21175 (2013.01 - EP US)

Citation (examination)
• JP 2002267314 A 20020918 - SANYO ELECTRIC CO
• JP 2002267314 A 20020918 - SANYO ELECTRIC CO
• DE 102004041655 A1 20050504 - THERMO KING CORP [US]
• DE 3818584 A1 19891214 - HERMLE KG BERTHOLD [DE]
• JP 2009174800 A 20090806 - MITSUBISHI ELECTRIC CORP
• DE 3601817 A1 19870723 - EGELHOF FA OTTO [DE]
• US 5218836 A 19930615 - JAROSCH GEORGE W [US]
• DE 3720085 A1 19881229 - BERTHOLD HERMLE GMBH & CO MASC [DE]
• DE 3343516 A1 19850613 - HERMLE KG BERTHOLD [DE]
• JP 2011255330 A 20111222 - HITACHI KOKI KK

Cited by
EP4299188A1; WO2024002794A1

Designated contracting state (EPC)
AL 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 RS SE SI SK SM TR

DOCDB simple family (publication)
DE 102012002593 A1 20130814; CN 104203422 A 20141210; CN 104203422 B 20171229; EP 2814617 A2 20141224;
EP 2814617 B1 20200122; JP 2015513447 A 20150514; JP 6329910 B2 20180523; PL 2814617 T3 20200727; US 10449556 B2 20191022;
US 2015080202 A1 20150319; WO 2013120604 A2 20130822; WO 2013120604 A3 20131219

DOCDB simple family (application)
DE 102012002593 A 20120213; CN 201380018633 A 20130213; EP 13705913 A 20130213; EP 2013000415 W 20130213;
JP 2014555980 A 20130213; PL 13705913 T 20130213; US 201414458361 A 20140813