

Title (en)

Method for operating a compressor device and the compressor device

Title (de)

Verfahren zum Betrieb einer Verdichtervorrichtung und zugehörige Verdichtervorrichtung

Title (fr)

Procédé de fonctionnement d'un dispositif de compresseur et dispositif de compresseur correspondant

Publication

EP 2065555 A1 20090603 (DE)

Application

EP 07023293 A 20071130

Priority

EP 07023293 A 20071130

Abstract (en)

The method involves surrounding a compressor chamber (12) by a separation wall (14) in shape of a tube, which encapsulates the compressor chamber against a cooling chamber (16), which comprises a cooling medium. The cooling medium in a cooling chamber is utilized for discharging of heat, which is caused by a stator part of an electrical drive. The pressure of a cooling medium in the cooling chamber is maintained above the pressure of a compressor medium in the compressor chamber during operation of a compressor device (10). An independent claim is also included for a compressor device operated by the method comprises a unit with a difference pressure measuring device.

Abstract (de)

Bei einem Verfahren zum Betrieb einer Verdichtervorrichtung (10) und einer zugehörigen Verdichtervorrichtung (10) mit einem Verdichterraum (12) und einem an den Verdichterraum (12) angrenzenden Kühlraum (16) wird während des Betriebs der Verdichtervorrichtung der (10) Druck eines Kühlmediums im Kühlraum (16) über dem Druck eines Verdichtermediums im Verdichterraum (12) gehalten.

IPC 8 full level

E21B 43/01 (2006.01); **F04D 13/06** (2006.01); **F04D 25/06** (2006.01); **F04D 29/58** (2006.01)

CPC (source: EP US)

F04D 13/062 (2013.01 - EP US); **F04D 25/0606** (2013.01 - EP US); **F04D 25/0686** (2013.01 - EP US); **F04D 29/584** (2013.01 - EP US)

Citation (applicant)

WO 9853182 A1 19981126 - WESTINGHOUSE ELECTRIC CORP [US]

Citation (search report)

- [X] WO 9853182 A1 19981126 - WESTINGHOUSE ELECTRIC CORP [US]
- [X] WO 0073621 A1 20001207 - KVAERNER EUREKA AS [NO], et al
- [X] WO 2007055589 A1 20070518 - NORSK HYDRO PRODUKSJON A S [NO], et al
- [X] DE 20011217 U1 20000907 - SULZER TURBO AG ZUERICH [CH]
- [X] WO 2005003512 A1 20050113 - KVAERNER OILFIELD PROD AS [NO], et al
- [X] US 2423436 A 19470708 - BLOM CARL J
- [X] EP 0550381 A1 19930707 - CARRIER CORP [US]
- [X] WO 2007110281 A1 20071004 - SIEMENS AG [DE], et al

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Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK RS

DOCDB simple family (publication)

EP 2065555 A1 20090603; **EP 2065555 B1 20120912**; CN 101878347 A 20101103; CN 101878347 B 20160803; EP 2212517 A1 20100804; ES 2392189 T3 20121205; RU 2010126207 A 20120110; RU 2476730 C2 20130227; US 2010303639 A1 20101202; US 8529217 B2 20130910; WO 2009068407 A1 20090604

DOCDB simple family (application)

EP 07023293 A 20071130; CN 200880118298 A 20081030; EP 08854683 A 20081030; EP 2008064731 W 20081030; ES 07023293 T 20071130; RU 2010126207 A 20081030; US 74476408 A 20081030