

Title (en)
AXIAL COMPRESSOR

Title (de)
AXIALKOMPRESSOR

Title (fr)
COMPRESSEUR AXIAL

Publication
EP 2652337 A1 20131023 (DE)

Application
EP 11791301 A 20111207

Priority
• CH 20932010 A 20101215
• EP 2011072052 W 20111207

Abstract (en)
[origin: CA2821142A1] The axial compressor has a two-stage guide-blade cascade (8) at the outlet-side end (5) of the rotor (4). The guide blades (11) of the second stage of the cascade are offset in the circumferential direction with respect to the guide blades (10) of the first stage in such a way that vortex plumes which are caused by the guide blades (10) of the first stage cannot impinge on the guide blades (11) of the second stage.

IPC 8 full level
F04D 29/54 (2006.01); **F01D 5/14** (2006.01); **F01D 9/04** (2006.01); **F01D 17/16** (2006.01)

CPC (source: EP US)
F01D 5/142 (2013.01 - EP US); **F01D 5/146** (2013.01 - EP US); **F04D 19/00** (2013.01 - US); **F04D 29/544** (2013.01 - EP US); **F05D 2250/34** (2013.01 - EP US); **F05D 2250/38** (2013.01 - EP US)

Citation (search report)
See references of WO 2012080053A1

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

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CH 704212 A1 20120615; AU 2011344469 A1 20130711; AU 2011344469 B2 20150625; BR 112013015252 A2 20160913; CA 2821142 A1 20120621; CA 2821142 C 20151124; CN 103354875 A 20131016; CN 103354875 B 20160824; EP 2652337 A1 20131023; JP 2014503736 A 20140213; JP 5818908 B2 20151118; MX 2013006789 A 20131001; MX 336210 B 20160111; RU 2013132197 A 20150120; RU 2564386 C2 20150927; US 2013280053 A1 20131024; US 9810226 B2 20171107; WO 2012080053 A1 20120621

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