

Title (en)
CASING FOR A MOVING-BLADE WHEEL OF A TURBOMACHINE

Title (de)
GEHÄUSE FÜR EIN SICH BEWEGENDES LAUFRAD EINER TURBOMASCHINE

Title (fr)
CARTER POUR ROUE A AUBES MOBILES DE TURBOMACHINE

Publication
EP 2268926 A2 20110105 (FR)

Application
EP 09730900 A 20090325

Priority
• FR 2009050516 W 20090325
• FR 0852012 A 20080328

Abstract (en)
[origin: WO2009125135A2] Casing (10) for a moving-blade wheel (100) of a turbomachine, comprising a plurality of circumferential slots (11,12,13) having substantially constant cross sections, and wherein the area of the cross section (S1,S2,S3) of the circumferential slots (11,12,13) decreases in the upstream to downstream direction from the first slot (11) to the last slot (13). As a result of the casing being processed in this way, the efficiency of the moving-blade wheel is optimized and the surge margin is improved.

IPC 8 full level
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CPC (source: EP US)
F04D 29/164 (2013.01 - EP US); **F04D 29/526** (2013.01 - EP US); **F04D 29/685** (2013.01 - EP US)

Citation (search report)
See references of WO 2009125135A2

Cited by
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Designated extension state (EPC)
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FR 2929349 A1 20091002; FR 2929349 B1 20100416; AT E521812 T1 20110915; BR PI0910320 A2 20150929; BR PI0910320 B1 20200218; CA 2718847 A1 20091015; CA 2718847 C 20160105; CN 102016324 A 20110413; CN 102016324 B 20140416; EP 2268926 A2 20110105; EP 2268926 B1 20110824; ES 2372266 T3 20120117; JP 2011515622 A 20110519; JP 5575741 B2 20140820; RU 2010144039 A 20120510; RU 2491447 C2 20130827; US 2011085896 A1 20110414; US 8777558 B2 20140715; WO 2009125135 A2 20091015; WO 2009125135 A3 20091210

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