

Title (en)
COMPRESSOR IMPELLER WITH AN ABRASION RESISTANT COATING

Title (de)
VERDICHTERLAUFRAD MIT EINER ABRIEBBESTÄNDIGEN BESCHICHTUNG

Title (fr)
ROUET DE COMPRESSEUR AVEC REVÊTEMENT RÉSISTANT À L'ABRASION

Publication
EP 2105616 A1 20090930 (EN)

Application
EP 07850962 A 20071220

Priority
• JP 2007074527 W 20071220
• JP 2007005852 A 20070115

Abstract (en)
An object is to provide a gas-compressor impeller which has excellent durability even when gas containing solid particles is compressed and which does not increase the cost. A gas-compressor impeller (3) installed in a gas compressor that compresses gas containing solid particles has a hub portion (10) and a plurality of blades (12) extending substantially radially from the outer circumferential surface of the hub portion (10). The hub portion (10) and the blades (12) are rotated about the central axial line to compress gas. The blades (12) have abrasion-resistant films (20) only at gas inlet portions.

IPC 8 full level
F04D 29/30 (2006.01); **C23C 4/10** (2006.01)

CPC (source: EP US)
C23C 4/00 (2013.01 - EP US); **C23C 30/00** (2013.01 - EP US); **F04D 29/023** (2013.01 - EP US); **F04D 29/289** (2013.01 - EP US); **F05D 2230/31** (2013.01 - US); **F05D 2230/90** (2013.01 - EP); **F05D 2300/2263** (2013.01 - EP US); **F05D 2300/603** (2013.01 - EP US); **F05D 2300/611** (2013.01 - EP)

Designated contracting state (EPC)
DE FR IT

DOCDB simple family (publication)
EP 2105616 A1 20090930; **EP 2105616 A4 20140604**; **EP 2105616 B1 20180822**; JP 2008169799 A 20080724; JP 4486652 B2 20100623; US 2009304519 A1 20091210; WO 2008087830 A1 20080724; WO 2008087830 A9 20081127

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EP 07850962 A 20071220; JP 2007005852 A 20070115; JP 2007074527 W 20071220; US 30959207 A 20071220