

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  
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• 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  
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CPC (source: EP US)  
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