

Title (en)  
AXIAL CENTRIFUGAL COMPRESSOR WITH SCALABLE RAKE ANGLE

Title (de)  
AXIALKREISELVERDICHTER MIT SKALIERBAREM NEIGUNGSWINKEL

Title (fr)  
COMPRESSEUR AXIALO-CENTRIFUGE A ANGLE DE RAKE EVOLUTIF

Publication  
**EP 2406500 A1 20120118 (FR)**

Application  
**EP 10707910 A 20100310**

Priority  
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• FR 0951604 A 20090313

Abstract (en)  
[origin: WO2010103055A1] The invention relates to a mobile wheel for a centrifugal or axial centrifugal compressor for a turbine engine, that comprises a base (2) on which a plurality of vanes (3) are attached at their feet (6) and extend between a leading edge (8) and a trailing edge (9), said trailing edge being inclined at the base (6) of the vane (3) by a slope angle  $\alpha$  relative to the middle plane extending through the base thereof in the rotation direction of said compressor (1), characterised in that the trailing edge (9) has at the head (7) of the vane (3) a slope angle  $\beta$  smaller than the slope angle  $\alpha$  at the vane base.

IPC 8 full level  
**F04D 29/30** (2006.01)

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Citation (search report)  
See references of WO 2010103055A1

Citation (examination)  
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