

Title (en)
Lateral channel compressor

Title (de)
Seitenkanalverdichter

Title (fr)
Compresseur à canal latéral

Publication
EP 1703136 A3 20070404 (EN)

Application
EP 06000867 A 20060117

Priority
DE 202005001604 U 20050202

Abstract (en)
[origin: EP1703136A2] In a lateral channel compressor with an impeller (12) which is arranged in a casing and which is supported so that it is rotatable around an axial rotational axis (4), said impeller comprising a plurality of impeller blades (20) which are arranged in a working area (2) which is formed by the casing, in view of enabling a complex lateral channel geometry with a high surface quality at low manufacturing costs, it is provided that the working area (2) comprises an undercut and the casing comprises a basic casing element (6), a cover (8) and an insert (10) in order to form the undercut.

IPC 8 full level
F04D 23/00 (2006.01)

CPC (source: EP US)
F04D 23/008 (2013.01 - EP US)

Citation (search report)

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Cited by
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Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA HR MK YU

DOCDB simple family (publication)
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DOCDB simple family (application)
EP 06000867 A 20060117; AT 06000867 T 20060117; DE 202005001604 U 20050202; DE 602006006240 T 20060117; ES 06000867 T 20060117; HK 07102943 A 20070319; US 34444106 A 20060131