

Title (en)
Lateral channel compressor

Title (de)
Seitenkanalverdichter

Title (fr)
Compresseur à canal latéral

Publication
EP 1703136 B1 20090415 (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)

Cited by
DE102012023347B3; WO2014082892A1; US10532169B2

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

DOCDB simple family (publication)
EP 1703136 A2 20060920; EP 1703136 A3 20070404; EP 1703136 B1 20090415; AT E428858 T1 20090515; DE 202005001604 U1 20060608; DE 602006006240 D1 20090528; ES 2324887 T3 20090818; HK 1098523 A1 20070720; US 2007059154 A1 20070315

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