

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)  
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