

Title (en)
Orthogonal swirl generator

Title (de)
Drallgenerator in Bögen

Title (fr)
Générateur de tourbillons orthogonal

Publication
EP 1632678 A1 20060308 (DE)

Application
EP 04104182 A 20040901

Priority
EP 04104182 A 20040901

Abstract (en)
The system has a radial compressor (1) with a suction-side opening, and a swirl generator (2) with an outlet portion facing the opening. An inlet portion (7) of the generator is angularly configured relative to the outlet portion. The generator comprises adjustable baffle plates arranged concentrically around the outlet portion. A region of the generator is viewed in longitudinal section and is in rectangular configuration.

IPC 8 full level
F04D 29/42 (2006.01); **F04D 27/02** (2006.01); **F04D 29/44** (2006.01)

CPC (source: EP US)
F04D 27/0246 (2013.01 - EP US); **F04D 29/4213** (2013.01 - EP US); **F04D 29/462** (2013.01 - EP US); **F05D 2250/51** (2013.01 - EP US)

Citation (search report)

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DE102009012971A1; DE102008004746A1; CN110321586A; DE102007062204A1

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

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EP 1632678 A1 20060308; US 2006042588 A1 20060302; US 7520717 B2 20090421

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