

Title (en)

Vortex impeller for centrifugal fluid-dynamic pumps

Title (de)

Wirbelauftrad für fluiddynamische Zentrifugalpumpen

Title (fr)

Roue vortex pour pompes centrifuges à fluides dynamiques

Publication

EP 1961965 A2 20080827 (EN)

Application

EP 08151673 A 20080220

Priority

IT MI20070329 A 20070221

Abstract (en)

Vortex impeller (10) for centrifugal fluid-dynamic pumps, provided with a central eye (16), an outer circumferential edge (18) and a plurality of blades (12, 12') having respective starting points (14, 14') arranged at said eye (16) of the impeller (10), each pair of contiguous blades (12, 12') defining a channel (22) arranged between them, characterised in that each of said blades (12, 12') has a profile in plan consisting of a plurality of arcs of circumference (24, 24', 24'') arranged in sequence and joined together, pairs of consecutive arcs of circumference (24, 24'; 24', 24'') having different bending radii.

IPC 8 full level

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CPC (source: EP)

F04D 29/242 (2013.01); **F04D 29/245** (2013.01)

Cited by

CN102954032A; CN105697412A; CN105736454A; CN107551341A; EP2991206B1

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Designated extension state (EPC)

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DOCDB simple family (publication)

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