

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 A3 20100331 (EN)**

Application

**EP 08151673 A 20080220**

Priority

IT MI20070329 A 20070221

Abstract (en)

[origin: EP1961965A2] 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

**F04D 29/24** (2006.01)

CPC (source: EP)

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

Citation (search report)

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Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA MK RS

DOCDB simple family (publication)

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