

Title (en)
Centrifugal pump impeller

Title (de)
Laufgrad einer Kreiselpumpe

Title (fr)
Roue d'une pompe centrifuge

Publication
EP 2405143 A3 20150114 (DE)

Application
EP 11005625 A 20110708

Priority
DE 102010026756 A 20100709

Abstract (en)
[origin: EP2405143A2] The impeller (1) has a cup-shaped outer wall (2) arranged coaxial to an impeller axis. A front side part (3) is closed, and another front side part (4) is opened by the outer wall for forming a suction port. Two passage openings are arranged in the outer wall. The openings are covered by a discharge duct (8), which includes a curved duct outer wall (9). The duct outer wall forms a discharge opening (12) together with side walls (10) at an end of the duct outer wall. The side walls expand in an escape direction. Inclined supply ducts and/or grooves are arranged in the port.

IPC 8 full level
F04D 29/22 (2006.01)

CPC (source: EP)
F04D 29/2238 (2013.01); **F04D 29/225** (2013.01)

Citation (search report)

- [XA] US 2010047094 A1 20100225 - GEREMIA SILVINO [BR]
- [XI] DE 2844990 A1 19800417 - WOJEWODZKIE PRZED GOSPODARKI K
- [X] US 3134331 A 19640526 - HUBER CHARLES F
- [X] FR 742839 A 19330317
- [X] US 2432247 A 19471209 - MCANALLEN LEE V

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
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EP 11005625 A 20110708; DE 102010026756 A 20100709