

Title (en)
Centrifugal pump impeller

Title (de)
LaufRad einer Kreiselpumpe

Title (fr)
Roue d'une pompe centrifuge

Publication
EP 2405143 B1 20190828 (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)

Designated contracting state (EPC)
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