

Title (en)
Centrifugal pump

Title (de)
Kreiselpumpe

Title (fr)
Pompe centrifuge

Publication
EP 1457682 B1 20050810 (DE)

Application
EP 03027121 A 20031126

Priority
DE 10307883 A 20030225

Abstract (en)
[origin: EP1457682A1] The pump has a motor-wheel (1) with a suction face on which process fluid is axially supplied. A circular coaxial cover disk (4) covers the shovels (3) on the suction face, with an external shovel (8) on the disk forming a gap (7) with the pump housing inner wall (6) so that part of the conveyed liquid flows back to the suction face.

IPC 1-7
F04D 29/22

IPC 8 full level
F04D 13/04 (2006.01); **F04D 29/22** (2006.01)

CPC (source: EP)
F04D 13/043 (2013.01); **F04D 29/167** (2013.01); **F04D 29/2261** (2013.01)

Cited by
CN102052354A; DE102012201665A1; DE102012201665B4

Designated contracting state (EPC)
DE FR GB IT

DOCDB simple family (publication)
EP 1457682 A1 20040915; EP 1457682 B1 20050810; DE 10307883 A1 20040902; DE 50300951 D1 20050915

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