

Title (en)
Centrifugal pump rotor

Title (de)
Kreispumpenlaufrad

Title (fr)
Rotor pour pompe centrifuge

Publication
EP 1134426 A3 20020904 (DE)

Application
EP 01105141 A 20010302

Priority
DE 10012181 A 20000313

Abstract (en)
[origin: EP1134426A2] The pump (10) has an impeller (40), which is fixed to a drive shaft (30) in a casing (20). A disc (44) arranged concentric to the shaft has radial blades (46), which form flow channels for the fluid to be pumped with the inner wall (22a) of the casing. The radial edges of three blades have at least one bump (48), which contacts the inner wall of the casing. Preferably, the bumps are formed in one piece with the blades.

IPC 1-7
F04D 29/24

IPC 8 full level
F04D 29/22 (2006.01); **F04D 29/24** (2006.01); **F04D 29/62** (2006.01)

CPC (source: EP US)
F04D 7/04 (2013.01 - EP); **F04D 29/042** (2013.01 - EP); **F04D 29/0473** (2013.01 - EP US); **F04D 29/2261** (2013.01 - EP US); **F04D 29/24** (2013.01 - EP US); **F04D 29/622** (2013.01 - EP); **F04D 29/628** (2013.01 - EP US); **F05D 2260/604** (2013.01 - EP)

Citation (search report)

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- [X] US 5800120 A 19980901 - RAMSAY THOMAS W [CA]
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Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

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DOCDB simple family (application)
EP 01105141 A 20010302; DE 10012181 A 20000313; US 80384101 A 20010312