

Title (en)
Non-clogging centrifugal pump

Title (de)
Verstopfungsfreie Kreiselpumpe

Title (fr)
Pompe résistante à l'engorgement

Publication
EP 0653564 B1 19980520 (DE)

Application
EP 94103553 A 19940309

Priority
DE 4338931 A 19931115

Abstract (en)
[origin: EP0653564A1] The invention relates to a centrifugal pump with a single-blade impeller (3), whose central suction mouth remote from the drive shaft (4) is in alignment with the inlet opening (6) of the pump chamber (2), the inlet opening forming an annular collar (9) which projects into the impeller interior in such a way that the inner end (7a) of the impeller blade (7) forms a narrow gap (width S) with the outer circumference of the collar (9). <IMAGE>

IPC 1-7
F04D 7/04; **F04D 29/42**

IPC 8 full level
F04D 7/04 (2006.01); **F04D 29/42** (2006.01)

CPC (source: EP US)
F04D 7/045 (2013.01 - EP US); **F04D 29/225** (2013.01 - EP US); **F04D 29/4273** (2013.01 - EP US)

Designated contracting state (EPC)
AT CH DE ES FR GB IT LI NL SE

DOCDB simple family (publication)
EP 0653564 A1 19950517; **EP 0653564 B1 19980520**; AT E166433 T1 19980615; DE 4338931 A1 19950518; DE 4338931 C2 19960905; DE 59406012 D1 19980625; US 5516261 A 19960514

DOCDB simple family (application)
EP 94103553 A 19940309; AT 94103553 T 19940309; DE 4338931 A 19931115; DE 59406012 T 19940309; US 25824194 A 19940610