

Title (en)
Clog resistant pump

Title (de)
Weniger leicht verstopfende Pumpe

Title (fr)
Pompe résistante à l'encrassement

Publication
EP 0512190 B1 19970326 (EN)

Application
EP 91850116 A 19910508

Priority
SE 9001193 A 19900402

Abstract (en)
[origin: EP0512190A1] The invention concerns a non-clogging pump of centrifugal or axial flow type. The regular vanes (6), (11) of the impeller or the pump housing are completed with a number of additional vanes (8), (13) between the regular vanes and so arranged that their front edges (9), (14), as seen in the direction of the flow, are located in front of the front edges (7), (12) of the regular vanes. <IMAGE>

IPC 1-7
F04D 7/04; **F04D 29/22**; **F04D 7/00**; **F04D 29/54**

IPC 8 full level
F04D 7/00 (2006.01); **F04D 7/04** (2006.01); **F04D 29/22** (2006.01); **F04D 29/54** (2006.01)

CPC (source: EP)
F04D 7/00 (2013.01); **F04D 7/045** (2013.01); **F04D 29/2288** (2013.01); **F04D 29/548** (2013.01); **F05D 2240/121** (2013.01)

Citation (examination)
& SU-A-1 549 186 (POPOV I K) 15 January 1991

Cited by
CN114076121A; EP0623750A1; DE4314477A1; CN114076104A; EP0733805A1; DE19510811A1; US5785495A; CN1070583C; US8124019B2; WO9826176A1; WO2011022249A1

Designated contracting state (EPC)
DE FR GB IT

DOCDB simple family (publication)
EP 0512190 A1 19921111; **EP 0512190 B1 19970326**; SE 466767 B 19920330; SE 9001193 D0 19900402; SE 9001193 L 19911003

DOCDB simple family (application)
EP 91850116 A 19910508; SE 9001193 A 19900402