

Title (en)
Clog resistant pump.

Title (de)
Weniger leicht verstopfende Pumpe.

Title (fr)
Pompe résistante à l'encrassement.

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EP 0512190 A1 19921111 (EN)

Application
EP 91850116 A 19910508

Priority
SE 9001193 A 19900402

Abstract (en)
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 7/00; **F04D 7/04**; **F04D 29/22**; **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 (search report)
• [X] BE 535864 A
• [A] SOVIET INVENTIONS ILLUSTRATED Section PQ, Week E14, 19 May 1982 Derwent Publications Ltd., London, GB; Class Q51, AN D9511E/14 & SU-A-840 416 (SHILMAN A KH) 28 June 1981
• [A] SOVIET INVENTIONS ILLUSTRATED Section PQ, Week 9129, 4 September 1991 Derwent Publications Ltd., London, GB; Class Q56, AN 91213914/29 & SU-A-1 549 186 (POPOV I K) 15 January 1991

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

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DE FR GB IT

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