

Title (en)

Fibres repelling wall-shape design

Title (de)

Faserabweisende Wandflächengestaltung

Title (fr)

Forme de paroi empêchant le dépôt de fibres

Publication

EP 0733805 B1 19980923 (DE)

Application

EP 96102053 A 19960213

Priority

DE 19510811 A 19950324

Abstract (en)

[origin: EP0733805A1] The wall surface configuration is for a centrifugal pump with an impeller inside a casing, and stator vanes after the impeller shaped to deflect fibres. There are recesses (6) in the region of the stator vane leading edges (5). These recesses form a connection between the spaces on either side of the stator vane (4). The recesses may run lengthwise. They may extend in an angle to the rotation plane of the impeller. There may be a free standing edge (7) of the stator vane in the region of the recesses, which may be asymmetric relative to the stator vane and may have side walls at different angles.

IPC 1-7

F04D 3/00; **F04D 7/00**; **F04D 29/54**; **F04D 29/52**

IPC 8 full level

F04D 3/00 (2006.01); **F04D 7/00** (2006.01); **F04D 29/52** (2006.01); **F04D 29/54** (2006.01)

CPC (source: EP US)

F04D 3/005 (2013.01 - EP US); **F04D 7/00** (2013.01 - EP US); **F04D 29/528** (2013.01 - EP US); **F04D 29/548** (2013.01 - EP US); **Y10S 415/914** (2013.01 - EP)

Cited by

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Designated contracting state (EPC)

AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

EP 0733805 A1 19960925; **EP 0733805 B1 19980923**; AT E171517 T1 19981015; CN 1070583 C 20010905; CN 1136644 A 19961127; DE 19510811 A1 19960926; DE 59600588 D1 19981029; US 5785495 A 19980728

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EP 96102053 A 19960213; AT 96102053 T 19960213; CN 96105951 A 19960322; DE 19510811 A 19950324; DE 59600588 T 19960213; US 62469496 A 19960325