

Title (en)
Diffuser for a rotatory pump

Title (de)
Kreiselpumpen-Leitrad

Title (fr)
Diffuseur pour une pompe rotatoire

Publication
EP 1520992 A3 20050727 (DE)

Application
EP 04020975 A 20040903

Priority
DE 10346058 A 20031004

Abstract (en)
[origin: EP1520992A2] The circulating pump has a stator (2) located on the pressure side of a rotor. The stator vanes (7) are designed as sheet metal preformed parts, whereby the stator vane blanks are constructed as a development of a conical generated surface and the formed stator vanes are cut-outs of this conical generated surface. A vane side edge located on a smaller radius of the cone (9) forms the free vane inner edge (12) lying next to the rotor's rotational axis.

IPC 1-7
F04D 29/44; F04D 29/54

IPC 8 full level
F04D 29/44 (2006.01)

CPC (source: EP)
F04D 29/448 (2013.01)

Citation (search report)

- [A] DE 1653713 A1 19720413 - GRUNDFOS AS
- [DA] DE 2530214 A1 19760205 - ITT IND GMBH DEUTSCHE
- [A] EP 0310121 A2 19890405 - BAYERISCHE MOTOREN WERKE AG [DE], et al
- [A] EP 0646729 A1 19950405 - KSB AG [DE]

Cited by
CN105756956A

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
EP 1520992 A2 20050406; **EP 1520992 A3 20050727**; **EP 1520992 B1 20060621**; AT E331143 T1 20060715; DE 10346058 A1 20050421; DE 502004000817 D1 20060803

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