

Title (en)
VANED IMPELLER

Publication
EP 0408956 A3 19920102 (DE)

Application
EP 90112515 A 19900630

Priority
DE 3923779 A 19890718

Abstract (en)
[origin: EP0408956A2] In order to improve the exchange of energy between cooling and heating processes a vaned impeller is proposed, the vanes 2 of which consist of a hollow profile open in the direction of rotation, which in the area close to the hub has an axial inlet expansion 5 on the admission side and is provided on the outside end with a radial outlet aperture 6 together with a baffle element 7 curved in the direction towards the outflow side. In this way a spiral, radial flow behaviour is produced by means of which a high volume or mass flow circulation rate is achieved at low speed.

IPC 1-7
F04D 29/28

IPC 8 full level
F04D 29/28 (2006.01)

CPC (source: EP)
F04D 29/281 (2013.01); **F04D 29/287** (2013.01)

Citation (search report)

- [X] DE 1033839 B 19580710 - RUDOLF HINGST DIPL ING
- [X] US 1074017 A 19130923 - ROTHENBERG WILLIAM F [US]
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Designated contracting state (EPC)
AT BE CH DE ES FR GB IT LI NL

DOCDB simple family (publication)
EP 0408956 A2 19910123; EP 0408956 A3 19920102; EP 0408956 B1 19950118; AT E117411 T1 19950215; AU 5809490 A 19910124; AU 632341 B2 19921224; BR 9003426 A 19910827; DE 3923779 A1 19910131; DE 59008287 D1 19950302; ES 2069630 T3 19950516

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