

Title (en)
Pump with axial outlet flow

Title (de)
Pumpe mit axialem Förderstrom

Title (fr)
Pompe à refoulement axial

Publication
EP 0595675 B1 19970730 (FR)

Application
EP 93402436 A 19931005

Priority
FR 9212214 A 19921013

Abstract (en)
[origin: EP0595675A1] The pump comprises, within a cylindrical annular pump body closed by a lateral plate: a rotor with centrifugal blading, an axial intake sleeve connected to this rotor and an axial delivery (outlet flow) outlet through the plate. The pump includes, within the pump body, an annular collecting chamber 18 formed facing the radial outlet of the rotor 1 and an annular partition 24 interposed between the annular collecting chamber 18 and the intake sleeve 20 of the rotor 1 and which is equipped, at its periphery, with an annular passage 25 equipped with fixed blading 28, the overall line of which is inclined with respect to the circumferential line of the annular passage 25. Application to low-power centrifugal pumps converting the radial outlet of the pump rotor into an axial delivery with a low noise level. <IMAGE>

IPC 1-7
F04D 29/44

IPC 8 full level
F04D 29/44 (2006.01)

CPC (source: EP)
F04D 29/445 (2013.01); **F04D 29/448** (2013.01)

Cited by
FR3125278A1

Designated contracting state (EPC)
AT BE CH DE DK ES GB GR IE IT LI LU NL PT SE

DOCDB simple family (publication)
EP 0595675 A1 19940504; EP 0595675 B1 19970730; AT E156245 T1 19970815; DE 69312629 D1 19970904; DE 69312629 T2 19980226; FR 2696793 A1 19940415; FR 2696793 B1 19950106

DOCDB simple family (application)
EP 93402436 A 19931005; AT 93402436 T 19931005; DE 69312629 T 19931005; FR 9212214 A 19921013