

Title (en)  
Fluid circulation and distribution apparatus.

Title (de)  
Fluidumlauf- und -verteilergerät.

Title (fr)  
Appareil de circulation et de distribution de fluide.

Publication  
**EP 0394140 B1 19931118 (FR)**

Application  
**EP 90401077 A 19900420**

Priority  
FR 8905342 A 19890421

Abstract (en)  
[origin: EP0394140A1] The invention relates to a fluid circulation and distribution apparatus with two inlets (19, 20) and one outlet (9), with a partition (3) defining an intake chamber (6), in which the two inlets (19, 20) are located together with their closing devices (15, 16), and a discharge chamber (4) forming a shell in which rotates a turbine (5) capable of rotating in both directions. It comprises, in the discharge chamber (4), mobile elements capable of controlling the closing devices (15, 16) of the two inlets (19, 20) as a function of the fluid flow. <IMAGE>

IPC 1-7  
**F04D 15/00**; F04D 29/24

IPC 8 full level  
**F04D 15/00** (2006.01)

CPC (source: EP)  
**F04D 15/0016** (2013.01)

Cited by  
US10823175B2; EP0918197A3; DE4232938A1; DE4127822A1; EP3156662A1; CN108138800A; EP1375917A3; CN110998191A; EP0529353A1; US5248085A; DE4143492C2; EP1580489A1; EP3376037A1; CN110418893A; EP3156659A1; CN108138799A; US2018291908A1; US11073161B2; DE102008061177A1; WO2017063970A1; WO2018167031A1; WO2017063969A1; EP3376039B1

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