

Title (en)  
INLET HOUSING FOR FLOW MACHINES

Publication  
**EP 0269903 B1 19920129 (DE)**

Application  
**EP 87116286 A 19871105**

Priority  
DE 3640894 A 19861129

Abstract (en)  
[origin: US4799857A] A fluid flow machine, particularly a centrifugal pump, wherein the casing has a tubular first portion serving to convey a stream of fluid radially toward a pump shaft which drives one or more impellers. The casing has a second portion with an arcuate band-like wall which spacedly surrounds the shaft and defines a passage having an oval cross-sectional outline and receiving fluid from the outlet of the first portion. A cylindrical outlet of the passage is adjacent the foremost impeller or the only impeller of the pump. One or more guides are provided in the passage to control the flow of fluid from the outlet of the first portion of the casing toward and into the range of the foremost impeller.

IPC 1-7  
**F04D 29/42**

IPC 8 full level  
**F04D 29/42** (2006.01)

CPC (source: EP US)  
**F04D 29/4273** (2013.01 - EP US); **F04D 29/448** (2013.01 - EP US); **F05B 2240/121** (2013.01 - EP US)

Cited by  
WO2013060395A1

Designated contracting state (EPC)  
AT CH FR IT LI NL

DOCDB simple family (publication)  
**EP 0269903 A2 19880608; EP 0269903 A3 19890726; EP 0269903 B1 19920129**; AT E72305 T1 19920215; DE 3640894 A1 19880609; DE 3640894 C2 19970528; US 4799857 A 19890124

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