

Title (en)

Turbomachine to compress or expand a compressible medium

Title (de)

Strömungsmaschine zum Verdichten oder Entspannen eines komprimierbaren Mediums

Title (fr)

Turbomachine pour comprimer ou détendre un fluide comprimable

Publication

EP 0992656 B1 20030910 (DE)

Application

EP 98810999 A 19981005

Priority

EP 98810999 A 19981005

Abstract (en)

[origin: EP0992656A1] The compressor has a rotor supporting at least one set of radial rotor blades (1), perpendicular to the rotor axis (5), enclosed by a compressor housing (4), with the compressible medium supplied axially. The inside wall (3) of the housing has an annular channel system (6) facing the free ends (2) of the rotor blades, with a channel (7,8) communicating with the housing interior on both sides of the rotor blades, for entry of the medium to be compressed and exit of the compressed medium respectively.

IPC 1-7

F01D 11/10; F01D 5/20

IPC 8 full level

F01D 5/20 (2006.01); **F01D 11/10** (2006.01)

CPC (source: EP US)

F01D 5/225 (2013.01 - EP US); **F01D 11/10** (2013.01 - EP US); **F04D 29/164** (2013.01 - EP US)

Cited by

US8092148B2; EP2039872A2; WO2008011864A1

Designated contracting state (EPC)

DE GB

DOCDB simple family (publication)

EP 0992656 A1 20000412; **EP 0992656 B1 20030910**; DE 59809578 D1 20031016; US 6264425 B1 20010724

DOCDB simple family (application)

EP 98810999 A 19981005; DE 59809578 T 19981005; US 39751099 A 19990917