

Title (en)

ROTOR ASSEMBLY FOR A TURBOMACHINE

Title (de)

LAUFRADANORDNUNG EINER STR MUNGSMASCHINE

Title (fr)

ENSEMBLE ROUE MOBILE DE TURBOMACHINE

Publication

**EP 1658439 A1 20060524 (DE)**

Application

**EP 04764145 A 20040816**

Priority

- EP 2004009153 W 20040816
- DE 10338395 A 20030821

Abstract (en)

[origin: WO2005021975A1] The invention relates to a rotor assembly (10) for a turbomachine driven by liquid or gaseous agents characterised in that a first running wheel (12), a second running wheel and a third running wheel (14) are serially arranged on the axes (15, 16, 17) in a tube (11). Such arrangement of the running wheels (12, 13, 14) makes it possible to avoid cavitation during the turbomachine operation with directionally controlled flows and uniformly load the running wheels.

IPC 1-7

**F04D 19/02**; F02C 1/02

IPC 8 full level

**F03B 3/04** (2006.01); **F03B 11/04** (2006.01); **F04D 19/02** (2006.01)

CPC (source: EP)

**F03B 3/04** (2013.01); **F03B 11/04** (2013.01); **F04D 19/026** (2013.01); **F05B 2220/32** (2013.01); **F05B 2250/311** (2013.01); **F05B 2250/315** (2013.01); **Y02E 10/20** (2013.01)

Citation (search report)

See references of WO 2005021975A1

Citation (examination)

- CH 316900 A 19561031 - ESCHER WYSS AG [CH]
- DE 4320180 A1 19931223 - ARTINANO ANTONIO [CR]

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

**DE 10338395 A1 20050317**; EP 1658439 A1 20060524; WO 2005021975 A1 20050310

DOCDB simple family (application)

**DE 10338395 A 20030821**; EP 04764145 A 20040816; EP 2004009153 W 20040816