

Title (en)
ROTOR FOR A TURBO-MACHINE

Title (de)
ROTOR FÜR EINE STRÖMUNGSMASCHINE

Title (fr)
ROTOR POUR TURBOMACHINE

Publication
EP 2499339 A2 20120919 (DE)

Application
EP 10781470 A 20101110

Priority
• DE 102009052931 A 20091112
• EP 2010067184 W 20101110

Abstract (en)
[origin: WO2011058042A2] The invention relates to a rotor (6) for a turbo-machine (2), having a shaft (4), an impeller (8) disposed thereon, and a shaft bearing (12). Improved rotor dynamics can be achieved if the impeller (8) comprises a recess (20) toward the shaft (4), in which the shaft bearing (12) is at least partially disposed.

IPC 8 full level
F01D 5/04 (2006.01); **F01D 25/16** (2006.01)

CPC (source: EP US)
F01D 5/048 (2013.01 - EP US); **F01D 25/16** (2013.01 - EP US); **F04D 25/04** (2013.01 - EP US); **F04D 29/056** (2013.01 - EP US); **F04D 29/057** (2013.01 - EP US); **F04D 29/284** (2013.01 - EP US)

Citation (search report)
See references of WO 2011058042A2

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
WO 2011058042 A2 20110519; WO 2011058042 A3 20120301; CN 102686831 A 20120919; DE 102009052931 A1 20110526; EP 2499339 A2 20120919; US 2012275923 A1 20121101

DOCDB simple family (application)
EP 2010067184 W 20101110; CN 201080051513 A 20101110; DE 102009052931 A 20091112; EP 10781470 A 20101110; US 201013509122 A 20101110