

Title (en)
Diffuser for turbomachines

Title (de)
Diffusor für Turbomaschinen

Title (fr)
Diffuseur pour turbomachines

Publication
EP 2677123 B2 20180425 (EN)

Application
EP 12172393 A 20120618

Priority
EP 12172393 A 20120618

Abstract (en)
[origin: EP2677123A1] A diffuser is described with an entry section close to the last stage of a turbine having an outer wall including several subsequent straight wall parts at an angle to each other followed by a curved wall part with the curved wall part connecting the straight wall parts to a diffuser lip or exit and having as vertical cross-section a non-circular 2 nd order curve, preferably part of an elliptic curve.

IPC 8 full level
F01D 1/02 (2006.01); **F01D 25/30** (2006.01)

CPC (source: EP US)
F01D 1/02 (2013.01 - US); **F01D 25/30** (2013.01 - EP US)

Cited by
EP3967848A1

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)
EP 2677123 A1 20131225; EP 2677123 B1 20141008; EP 2677123 B2 20180425; CN 103511008 A 20140115; CN 103511008 B 20150715; JP 2014001735 A 20140109; JP 5726236 B2 20150527; US 2013336783 A1 20131219

DOCDB simple family (application)
EP 12172393 A 20120618; CN 201310240850 A 20130618; JP 2013127715 A 20130618; US 201313919332 A 20130617