

Title (en)
Diffuser for turbomachines

Title (de)
Diffusor für Turbomaschinen

Title (fr)
Diffuseur pour turbomachines

Publication
EP 2677123 B1 20141008 (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 25/30 (2006.01); **F01D 1/02** (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)
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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

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EP 12172393 A 20120618; CN 201310240850 A 20130618; JP 2013127715 A 20130618; US 201313919332 A 20130617