

Title (en)

Low pressure steam turbine with multi channel diffuser

Title (de)

Niederdruckdampfturbine mit Mehrkanal-Diffusor

Title (fr)

Turbine à vapeur à basse pression avec un diffuseur à canaux multiples

Publication

EP 1178183 B1 20050511 (DE)

Application

EP 01117519 A 20010720

Priority

DE 10037684 A 20000731

Abstract (en)

[origin: EP1178183A2] The axial/radial three-passage diffuser of the LP steam turbine has two deflector plates (8,9) which extend over the diffuser's whole length and are distributed between an inner diffuser ring (4) and outer diffuser ring (5) so that the surface distribution to the three diffuser sections (10-12) in the intake area is unequal. A large part of the flow intake area of the whole diffuser is allotted to the inner and center sections, and a smaller part to the outer section.

IPC 1-7

F01D 25/30

IPC 8 full level

F01D 9/02 (2006.01); **F01D 25/30** (2006.01)

CPC (source: EP US)

F01D 9/02 (2013.01 - EP US); **F01D 25/30** (2013.01 - EP US)

Cited by

KR20200049843A; EP1892384A1; EP1970539A1; CN102373960A; EP2639404A1; EP3480425A1; US9644496B2; US8506233B2; WO2019052874A1; WO2008110445A1; WO2012089837A1; WO2014158338A1; US11073048B2; EP2971617B1

Designated contracting state (EPC)

DE IT

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