

Title (en)  
REACTION-TYPE TURBINE

Title (de)  
REAKTIONSTURBINE

Title (fr)  
TURBINE DU TYPE À RÉACTION

Publication  
**EP 2410127 A1 20120125 (EN)**

Application  
**EP 09841930 A 20090318**

Priority  
KR 2009001389 W 20090318

Abstract (en)  
The present invention relates to a reaction-type turbine. The reaction-type turbine of the present invention is configured such that a jet and rotating unit and a turbine shaft rotate by the repulsive force generated when steam spurts from the jet and rotating unit, so as to generate propulsion force. Thus, the operating stability of a steam turbine can be maintained even when condensate water is mixed with the steam, and manufacturing costs can be significantly reduced. Further, in order to reduce a loss of energy, the flow resistance of the steam is remarkably reduced or pressure leakage is prevented, thereby obtaining a low-cost and high-efficiency turbine.

IPC 8 full level  
**F01D 1/32** (2006.01); **F01D 1/22** (2006.01); **F01D 1/34** (2006.01); **F01D 25/24** (2006.01)

CPC (source: EP US)  
**F01D 1/22** (2013.01 - EP US); **F01D 1/32** (2013.01 - EP US); **F01D 1/34** (2013.01 - EP US); **F01D 25/24** (2013.01 - EP US)

Cited by  
EP3124784A1

Designated contracting state (EPC)  
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 SE SI SK TR

DOCDB simple family (publication)  
**EP 2410127 A1 20120125; EP 2410127 A4 20180228**; CN 102356214 A 20120215; CN 102356214 B 20160504; JP 2012520970 A 20120910; JP 5592933 B2 20140917; US 2012009055 A1 20120112; WO 2010107146 A1 20100923

DOCDB simple family (application)  
**EP 09841930 A 20090318**; CN 200980158196 A 20090318; JP 2012500700 A 20090318; KR 2009001389 W 20090318; US 200913257213 A 20090318