

Title (en)  
AXIAL FLOW STEAM TURBINE, ESPECIALLY OF THE DOUBLE-FLOW TYPE

Publication  
**EP 0088944 B1 19851030 (DE)**

Application  
**EP 83102038 A 19830302**

Priority  
DE 3209506 A 19820316

Abstract (en)  
[origin: ES8401567A1] An axial-admission steam turbine, includes a steam inflow region, guide vane rings including a first guide vane ring, guide vanes of the first guide vane ring having radially inner ends, a shaft being rotatable in a given direction, an annular shaft shield being connected to the radially inner ends of the guide vanes of the first guide vane ring and being disposed in vicinity of the steam inflow region, the annular shaft shield surrounding the shaft at a distance defining a ring canal therebetween, the annular shaft shield having nozzles formed therein for discharging into the ring canal tangentially relative to the shaft as seen in the given direction of rotation of the shaft.

IPC 1-7  
**F01D 3/02**; **F01D 25/12**

IPC 8 full level  
**F01D 3/02** (2006.01); **F01D 5/08** (2006.01); **F01D 25/08** (2006.01); **F01D 25/12** (2006.01)

CPC (source: EP US)  
**F01D 3/02** (2013.01 - EP US); **F01D 5/08** (2013.01 - EP US); **F01D 25/08** (2013.01 - EP US)

Cited by  
EP1783324A3; FR2934312A1; EP3009597A1; CN107002494A; US6102654A; US6048169A; EP3056663A1; US10392941B2; WO2016058855A1

Designated contracting state (EPC)  
AT CH DE FR IT LI NL

DOCDB simple family (publication)  
**EP 0088944 A1 19830921**; **EP 0088944 B1 19851030**; AR 229899 A1 19831230; AT E16303 T1 19851115; BR 8301277 A 19831122; DE 3209506 A1 19830922; DE 3361096 D1 19851205; ES 520606 A0 19831216; ES 8401567 A1 19831216; IN 158028 B 19860816; JP H0440522 B2 19920703; JP S58167802 A 19831004; US 4571153 A 19860218

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