

Title (en)  
Steam turbine

Title (de)  
Dampfturbine

Title (fr)  
Turbine à vapeur

Publication  
**EP 1632650 A1 20060308 (DE)**

Application  
**EP 04020807 A 20040901**

Priority  
EP 04020807 A 20040901

Abstract (en)  
The steam turbine has several stage sections (7,9) and a device for power governing of the turbine before the first stage section (7). A second MP-Curtis wheel (27) with nozzles (29) is provided after the first stage section. The device for power governing of the steam turbine is designed as a Curtis wheel (15) with a nozzle ring (17) and several nozzles (19). The first and/or the second Curtis wheel is constructed as an impulse wheel, especially in Curtis design.

IPC 8 full level  
**F01K 7/18** (2006.01); **F01K 7/20** (2006.01)

CPC (source: EP)  
**F01K 7/18** (2013.01); **F01K 7/20** (2013.01)

Citation (search report)

- [X] US 6308407 B1 20011030 - GRAF PETER [DE], et al
- [Y] US 4658590 A 19870421 - HIGASHI TOSHIHIKO [JP], et al
- [Y] US 2002081191 A1 20020627 - TREMMEL ALEXANDER [DE], et al
- [Y] GB 228920 A 19250924
- [Y] US 5215436 A 19930601 - PUZYREWSKI ROMUALD [PL]
- [A] US 4953355 A 19900904 - POULAIN JEAN [FR], et al

Cited by  
EP2375010A3; EP2078821A1; DE102008033402A1; EP2667027A1; EP3409895A1; US8770914B2

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)  
**EP 1632650 A1 20060308; EP 1632650 B1 20130515**; BR PI0514816 A 20080624; BR PI0514816 B1 20190702; BR PI0514816 B8 20230425; CN 100462525 C 20090218; CN 101010490 A 20070801; EP 1784558 A1 20070516; ES 2411657 T3 20130708; PL 1632650 T3 20131031; WO 2006024597 A1 20060309

DOCDB simple family (application)  
**EP 04020807 A 20040901**; BR PI0514816 A 20050812; CN 200580029388 A 20050812; EP 05775974 A 20050812; EP 2005053972 W 20050812; ES 04020807 T 20040901; PL 04020807 T 20040901