

Title (en)
STEAM TURBINE

Title (de)
DAMPFTURBINE

Title (fr)
TURBINE A VAPEUR

Publication
EP 0953100 B1 20020410 (DE)

Application
EP 98904018 A 19980109

Priority
• DE 9800063 W 19980109
• DE 19701020 A 19970114

Abstract (en)
[origin: DE19701020A1] The invention relates to a steam engine (1, 2, 3), comprising a turbine (6, 6a, 6b) directed along a turbine axis (15). A plurality of turbine stages is provided along the turbine shaft (6, 6a, 6b), each comprising a guide blade structure (12) and an axially arranged rotating blade assembly thereafter. The mean reaction degree (r) that can be reached in one turbine stage ranges from 5 % to 70 %, the reaction degree (r) of at least two turbine stages (17a, 17b) having a different value.

IPC 1-7
F01D 5/14; **F01D 1/16**

IPC 8 full level
F01D 1/16 (2006.01); **F01D 5/14** (2006.01)

CPC (source: EP US)
F01D 1/16 (2013.01 - EP US); **F01D 5/142** (2013.01 - EP US)

Cited by
DE102015223212A1; US10337519B2; DE202010012298U1

Designated contracting state (EPC)
CH DE FR GB IT LI

DOCDB simple family (publication)
DE 19701020 A1 19980723; CN 1084822 C 20020515; CN 1242818 A 20000126; DE 59803728 D1 20020516; EP 0953100 A1 19991103; EP 0953100 B1 20020410; JP 2001510525 A 20010731; RU 2189449 C2 20020920; US 6345952 B1 20020212; WO 9831923 A1 19980723

DOCDB simple family (application)
DE 19701020 A 19970114; CN 98801633 A 19980109; DE 59803728 T 19980109; DE 9800063 W 19980109; EP 98904018 A 19980109; JP 53351198 A 19980109; RU 99118010 A 19980109; US 35299199 A 19990714