

Title (en)  
Rotor for a steam turbine

Title (de)  
Rotor für eine Dampfturbine

Title (fr)  
Rotor pour une turbine à vapeur

Publication  
**EP 1536102 A3 20120822 (DE)**

Application  
**EP 04105832 A 20041117**

Priority  
DE 10355738 A 20031128

Abstract (en)  
[origin: EP1536102A2] The rotor (2) extends along a rotational axis (5) and has two axially adjoining rotor parts (2a, 2b, 2c) welded together with the welding zone (15) circumferentially enclosing a cavity (18) which is formed from two indentations (16, 17) in the ends of the rotor parts. The cavity forms a constituent part of a cooling duct system (19) through which the cooling vapour flows.

IPC 8 full level  
**F01D 5/08** (2006.01); **F01D 5/06** (2006.01); **F02C 7/16** (2006.01)

CPC (source: EP US)  
**F01D 5/063** (2013.01 - EP US); **F01D 5/085** (2013.01 - EP US); **F01D 5/087** (2013.01 - EP US); **F01D 5/088** (2013.01 - EP US); **F05D 2260/20** (2013.01 - EP US); **F05D 2260/205** (2013.01 - EP US); **F05D 2260/2322** (2013.01 - EP US)

Citation (search report)

- [IA] EP 1013879 A1 20000628 - ASEA BROWN BOVERI [CH]
- [A] US 2003133786 A1 20030717 - UEMATSU KAZUO [JP], et al
- [X] US 6048169 A 20000411 - FELDMUELLER ANDREAS [DE], et al
- [I] DE 4411616 A1 19951005 - ABB MANAGEMENT AG [CH]
- [I] CH 353218 A 19610331 - ESCHER WYSS AG [CH]
- [I] DE 854445 C 19521104 - BBC BROWN BOVERI & CIE

Cited by  
EP2565419A1; EP2211017A1; EP1911933A1; EP1936115A3; EP1895094A1; EP1849959A3; EP2998506A1; EP2264281A3; US8454297B2; US7850423B2; WO2013029911A1; WO2008043663A1; EP1936115A2; US8277173B2

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

Designated extension state (EPC)  
AL HR LT LV MK YU

DOCDB simple family (publication)  
**EP 1536102 A2 20050601**; **EP 1536102 A3 20120822**; **EP 1536102 B1 20190320**; DE 10355738 A1 20050616; US 2005118025 A1 20050602; US 7267525 B2 20070911

DOCDB simple family (application)  
**EP 04105832 A 20041117**; DE 10355738 A 20031128; US 99838304 A 20041129