

Title (en)

High vacuum pump for pumping high temperature saturated steam

Title (de)

Hochvakuumpumpe für Hochtemperaturesattdampf.

Title (fr)

Pompe à vide poussée pour pomper de la vapeur saturée à haute température.

Publication

**EP 2060790 A1 20090520 (EN)**

Application

**EP 07120582 A 20071113**

Priority

EP 07120582 A 20071113

Abstract (en)

A vacuum pump is described, functioning in conditions of saturated or almost saturated steam with high temperatures, without a cooling system, preferably of the rotary blade type. The pump is advantageously applied to steam sterilisation systems.

IPC 8 full level

**F04C 18/344** (2006.01); **F04C 29/00** (2006.01)

CPC (source: EP)

**F04C 18/344** (2013.01); **F04C 29/026** (2013.01); **F04C 2220/10** (2013.01)

Citation (search report)

- [X] GB 1535058 A 19781206 - GEN SIGNAL CORP
- [A] CN 1651767 A 20050810 - SUN HONGLE [CN]
- [A] WO 9926667 A2 19990603 - MUENCHNER MEDIZIN MECHANIK [DE], et al
- [A] JP 2006316662 A 20061124 - TOSHIBA CORP

Cited by

CN103352852A; CN105351199A; CN106194685A; CN105351172A; CN108291543A; CN114412786A; US11592024B2; WO2017055129A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK RS

DOCDB simple family (publication)

**EP 2060790 A1 20090520**; WO 2009062931 A2 20090522; WO 2009062931 A3 20100114

DOCDB simple family (application)

**EP 07120582 A 20071113**; EP 2008065316 W 20081111