

Title (en)

Steam generator with automatic water loading system

Title (de)

Dampfzeugung mit automatischem Wasserbeladungssystem

Title (fr)

Générateur de vapeur avec système automatique de chargement d'eau

Publication

**EP 1221570 A3 20030205 (EN)**

Application

**EP 01129045 A 20011207**

Priority

- IT PD20000279 A 20001215
- IT PD20010028 A 20010206

Abstract (en)

[origin: EP1221570A2] The present invention concerns an automatic system for loading water into a steam generating boiler normally used in appliances which use steam for carrying out their domestic or industrial functions, such as machines for domestic and industrial cleaning, ironing systems, pressure cleaners, extraction hydrojets, combined extractors etc. The components of the system comprise: cold water tank (1), level gauge for the water in the cold water tank (2), acoustic indicator (3), motor pump (4), priming and vacuum valve (5), boiler (6), main heating resistance (7), fuse (8), pressure switch (9), solenoid valve (10), safety valve (11), pilot resistance (12), motor pump control thermostat (13), remote control button (14), area for controlling the water level in the boiler (15). There may be a water level probe comprising a thermoconductive body, an electric heating resistance and a thermostat. <IMAGE>

IPC 1-7

**F22B 1/28**

IPC 8 full level

**D06F 75/12** (2006.01); **F22B 1/28** (2006.01)

CPC (source: EP)

**D06F 75/12** (2013.01); **F22B 1/285** (2013.01)

Citation (search report)

- [X] WO 9721057 A1 19970612 - FRANCHINI GIULIANO [IT]
- [X] EP 0193863 A2 19860910 - EGO ITALIANA [IT]
- [A] EP 0877200 A1 19981111 - IMETEC SPA [IT]
- [A] EP 0887588 A2 19981230 - HOT LINE S R L [IT]
- [A] US 4480173 A 19841030 - BUTTERFIELD BRIAN J [GB]

Cited by

ES2719765A1; CN110345460A; ITMI20090791A1; EP1619291A1; CN114081341A; GB2455647B; GB2455647A; WO2008129119A1; GB2463166A; GB2463168A; GB2410788A; GB2463166B; ITBS20080144A1; WO2005024300A3; WO2009011607A3; WO2011097863A1; EP2295627B2

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