

Title (en)  
Washer

Title (de)  
Waschmaschine

Title (fr)  
Machine à laver

Publication  
**EP 1975298 A1 20081001 (EN)**

Application  
**EP 08152277 A 20080305**

Priority  
KR 20070030060 A 20070327

Abstract (en)  
A washer has a structure to prevent overheating of a heater (26). The washer includes a tub (20) to contain wash water, a rotating drum (30) provided in the tub (20), a heater (26) to heat water in the tub (20), and a circulation unit (60) to supply water in the tub (20) to the rotating drum (30). A circulation hole (21b) is formed at a height same as or greater than a mounting height of the heater (26) to allow water to flow into the circulation unit (60). This prevents the height of water from becoming less than the mounting height of the heater (26) even when the circulation unit is in operation, thereby preventing overheating of the heater (26).

IPC 8 full level  
**D06F 39/04** (2006.01); **D06F 39/08** (2006.01)

CPC (source: EP KR US)  
**D06F 37/42** (2013.01 - KR); **D06F 39/04** (2013.01 - EP KR US); **D06F 39/08** (2013.01 - EP US); **D06F 39/083** (2013.01 - KR)

Citation (applicant)  
• DE 19935987 A1 20010201 - BSH BOSCH SIEMENS HAUSGERAETE [DE]  
• EP 0464776 A1 19920108 - ZANUSSI ELETTRODOMESTICI [IT]

Citation (search report)  
• [X] DE 19935987 A1 20010201 - BSH BOSCH SIEMENS HAUSGERAETE [DE]  
• [X] EP 0464776 A1 19920108 - ZANUSSI ELETTRODOMESTICI [IT]  
• [A] DE 3401899 A1 19850725 - LICENTIA GMBH [DE]  
• [A] DE 19814884 A1 19991007 - BAYER FRIEDRICH ARTUR [DE]

Cited by  
US2011132041A1; US8485001B2; US2011023555A1; EA019026B1; US9103063B2; US8800165B2; US9828715B2; EP2503044A1; WO2010137895A1; WO2011012590A1; US9051679B2

Designated contracting state (EPC)  
DE GB IT

Designated extension state (EPC)  
AL BA MK RS

DOCDB simple family (publication)  
**EP 1975298 A1 20081001**; CN 101275352 A 20081001; JP 2008237905 A 20081009; KR 20080087597 A 20081001; US 2008236205 A1 20081002

DOCDB simple family (application)  
**EP 08152277 A 20080305**; CN 200810085466 A 20080319; JP 2008064727 A 20080313; KR 20070030060 A 20070327; US 7355408 A 20080306