

Title (en)  
Top-loading washing machine

Title (de)  
Von oben beschickbare Waschmaschine

Title (fr)  
Machine à laver à chargement par le haut

Publication  
**EP 1925705 A1 20080528 (EN)**

Application  
**EP 06124769 A 20061124**

Priority  
EP 06124769 A 20061124

Abstract (en)  
Top-loading clothes washing machine including an outer cabinet (2) provided with a laundry loading/unloading port (3) formed through an upper portion thereof, a cabinet door (4) for opening and closing the laundry loading/unloading port (3), a washing tub (5) fixedly arranged within the outer cabinet (4), a perforated drum (6) rotatably installed in the tub (5) for containing the clothes (7) and provided with an opening (8) formed in the outer circumferential surface thereof so that the clothes (7) can be filled into and removed from the drum (6) through the opening (8), a drum door assembly (9) provided in connection with the opening (8) of the drum (6), automatic closing means for automatically actuating the drum door assembly (9) into a closed position, whereby said washing machine further comprises spraying means (10) fluidly connected to a water supply conduit (11) to sprinkle the clothes (7) loaded in the drum (6) for causing the thereby soaked clothes to sag and shrink together by gravity, so as to prevent the drum door assembly (9) from catching and entrapping the clothes (7) as it closes automatically.

IPC 8 full level  
**D06F 37/10** (2006.01)

CPC (source: EP US)  
**D06F 37/18** (2013.01 - EP US); **D06F 39/088** (2013.01 - EP US)

Citation (search report)

- [YDA] EP 1655403 A2 20060510 - LG ELECTRONICS INC [KR]
- [YA] DE 2028699 A1 19710304 - PELLERIN CORP MILNOR
- [A] JP 2000279688 A 20001010 - MATSUSHITA ELECTRIC IND CO LTD
- [A] JP 2006167236 A 20060629 - HITACHI HOME & LIFE SOLUTIONS

Cited by  
CN105671869A; EP2876199A1; CN111379114A; CN108118491A; CN108951009A; CN112342726A; US9598811B2; US11624139B2; US11866870B2

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Designated extension state (EPC)  
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**EP 1925705 A1 20080528**; RU 2007143484 A 20090527; RU 2435884 C2 20111210

DOCDB simple family (application)  
**EP 06124769 A 20061124**; RU 2007143484 A 20071123