

Title (en)  
WASHING MACHINE

Title (de)  
WASCHMASCHINE

Title (fr)  
MACHINE À LAVER

Publication  
**EP 3444393 A4 20200115 (EN)**

Application  
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Abstract (en)  
[origin: EP3444393A2] The present invention relates to a washing machine comprising: a tub provided inside a cabinet and storing washing water therein; and a plurality of super-hydrophobic micro-protrusions formed on the inner surface of the tub to remove residual water within the tub. Accordingly, since the plurality of super-hydrophobic micro-protrusions are formed on the inner surface of the tub, the residual water remaining inside the tub can be cleanly removed using the lotus effect, thereby maintaining a clean state of the washing machine.

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Citation (search report)  

- [XAYI] DE 102012223682 A1 20140626 - BSH BOSCH & SIEMENS HAUSGERAETE GMBH [DE]
- [Y] KR 20050108616 A 20051117 - DAEWOO ELECTRONICS CORP [KR]
- [A] EP 1350575 B1 20061011 - LEIBNIZ INST POLYMERFORSCHUNG [DE]
- [A] EP 2868794 A1 20150506 - BSH HAUSGERAETE GMBH [DE]
- [A] EP 1260629 A1 20021127 - KANNEGIESSER H GMBH CO [DE]
- [Y] EP 2193015 B1 20150701 - LG ELECTRONICS INC [KR]
- [A] CN 103101147 B 20151028
- [A] CN 104002474 A 20140827 - UNIV SOUTH CHINA TECH
- See references of WO 2017179930A2

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