

Title (en)  
Washing machine

Title (de)  
Waschmaschine

Title (fr)  
Machine à laver

Publication  
**EP 2719809 A2 20140416 (EN)**

Application  
**EP 13187765 A 20131008**

Priority  
KR 20120112649 A 20121010

Abstract (en)  
A washing machine including a drum capable of improving washing efficiency is provided. The washing machine includes a body (10), a tub (20) provided at an inside the body to store wash water, a drum (30) rotatably provided at an inner side of the tub to accommodate laundry, a driving apparatus (14) to rotate the drum, protrusions (34) that are formed of polygons having polygonal shapes and protruding inward from the drum, and a through-hole (36) provided between adjacent protrusions (34) to drain water. A protrusion having polygons generates frictional force between laundry and the drum, thereby increasing the washing power. The through-holes (36) are uniformly located around the protrusion (34), thereby preventing a spin dry water bottleneck phenomenon that occurs when water from a spin dry is concentrated on a certain through-hole, and thus enhancing the spin dry efficiency.

IPC 8 full level  
**D06F 37/04** (2006.01)

CPC (source: CN EP KR US)  
**D06F 23/02** (2013.01 - KR); **D06F 37/02** (2013.01 - EP US); **D06F 37/04** (2013.01 - CN); **D06F 37/06** (2013.01 - CN EP KR US); **D06F 37/12** (2013.01 - CN); **D06F 37/14** (2013.01 - CN); **D06F 37/26** (2013.01 - US)

Cited by  
CN106661795A; EP3178981A4

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
**EP 2719809 A2 20140416**; **EP 2719809 A3 20150805**; **EP 2719809 B1 20170315**; CN 103820973 A 20140528; CN 103820973 B 20180209; KR 101944366 B1 20190207; KR 20140046718 A 20140421; US 2014096570 A1 20140410

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**EP 13187765 A 20131008**; CN 201310753687 A 20131010; KR 20120112649 A 20121010; US 201314049598 A 20131009