

Title (en)
COMPONENT OF A DOMESTIC APPLIANCE WITH A COATING

Title (de)
BAUTEIL EINES HAUSHALTSGERÄTES MIT EINER BESCHICHTUNG

Title (fr)
ÉLÉMENT D'UN APPAREIL MÉNAGER POURVU D'UN REVÊTEMENT

Publication
EP 2794975 B1 20190626 (DE)

Application
EP 12812203 A 20121214

Priority

- DE 102011089114 A 20111220
- EP 2012075572 W 20121214

Abstract (en)
[origin: WO2013092422A1] A component (1) of a domestic appliance, which component (1) is wetted by a liquid, is provided with an at least hydrophobically acting coating on the surface thereof which comes into contact with the liquid. Said at least hydrophobically acting coating (6) is configured as a liquid boundary layer which consists of a substrate (9) and a boundary liquid (10) which is incorporated therein. Here, with respect to the liquid which wets the component (1), the boundary liquid (10) has a sliding layer (11) which repels the liquid.

IPC 8 full level
D06F 39/00 (2006.01); **A47L 15/42** (2006.01); **D06F 58/22** (2006.01); **D06F 75/00** (2006.01)

CPC (source: EP US)
A47L 15/44 (2013.01 - EP US); **D06F 58/24** (2013.01 - EP US); **D06F 75/10** (2013.01 - EP); **D06F 39/02** (2013.01 - EP US); **D06F 39/08** (2013.01 - EP US)

Citation (examination)

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- WO 2008052980 A1 20080508 - ARCELIK AS [TR], et al
- JP 2009103434 A 20090514 - SUMITOMO LIGHT METAL IND, et al
- TAK-SING WONG ET AL: "Bioinspired self-repairing slippery surfaces with pressure-stable omniphobicity", NATURE, vol. 477, no. 7365, 1 January 2011 (2011-01-01), pages 443 - 447, XP055025132, ISSN: 0028-0836, DOI: 10.1038/nature10447

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US12070174B2

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