

Title (en)

Washing machine with an improved washing/rinsing-liquid inlet circuit

Title (de)

Waschmaschine mit verbessertem Wasch-/Spülflüssigkeitseinlasskreis

Title (fr)

Machine à laver avec un circuit d'entrée de liquide de nettoyage/rinçage amélioré

Publication

EP 2241669 A1 20101020 (EN)

Application

EP 09005228 A 20090409

Priority

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Abstract (en)

Washing machine (1) comprising: - a washing tub (5) containing a rotary perforated drum (6); - a washing/rinsing-liquid dispenser (8) comprising a housing (9) and a drawer (10), removably associated to the housing (9), provided with one or more compartments (11a,11b) adapted to be filled with washing and/or rinsing products, the washing/rinsing-liquid dispenser (8) comprising a water distributor (14) provided with at least two inlet connectors (15a,15b), connectable, upstream, to a water source, and fluidly connected, downstream, to an air-gap (16) from which at least two ducts (17a,17b) branch off, the at least two ducts (17a,17b) being fluidly connected to the inlet connectors (15a,15b) and adapted for conveying water to the compartments (11a,11b); - a water line (13), fluidly connecting said washing/rinsing-liquid dispenser (8) and said tub (5). The washing/rinsing-liquid dispenser (8) comprises a by-pass line (20), fluidly connected, upstream, to at least one of the inlet connectors (15a,15b), and extending substantially from said air-gap (16), the by-pass line (20) being fluidly separated from the ducts (17a,17b) and from the compartments (11a,11b), and being adapted to allow the flow of clean water from the washing/rinsing-liquid dispenser (8) to the tub (5).

IPC 8 full level

D06F 39/02 (2006.01); **D06F 39/08** (2006.01)

CPC (source: EP US)

D06F 39/028 (2013.01 - EP US); **D06F 39/088** (2013.01 - EP US)

Citation (applicant)

- EP 0597274 A1 19940518 - ZANUSSI ELETTRODOMESTICI [IT]
- EP 1568814 A1 20050831 - WHIRLPOOL CO [US]
- EP 0719884 A1 19960703 - BOSCH SIEMENS HAUSGERAETE [DE]

Citation (search report)

- [YD] EP 0719884 A1 19960703 - BOSCH SIEMENS HAUSGERAETE [DE]
- [Y] EP 1595991 A1 20051116 - ELECTROLUX HOME PROD CORP [BE]
- [A] EP 1600546 A1 20051130 - ELECTROLUX HOME PROD CORP [BE]
- [A] WO 03014453 A1 20030220 - BSH BOSCH SIEMENS HAUSGERAETE [DE]

Cited by

US9637857B2; US2014165663A1; EP3575477A1; US8438881B2; US10480113B2; WO2018224252A1; WO2015063005A1; WO2016101994A1; US11091870B2; US11585036B2; US11041267B2; US11713531B2; US11913156B2; CN103069068A; EP2653601A4; EP3851568A1; CN113215782A; AU2021200201B2; US10781548B2; US11155951B2; US11535971B2; US11814775B2; US11066775B2; US11686034B2; US11879202B2; US11993889B2; EP2540902A1; WO2013000914A1; US11162209B2; US11359325B2; US11952705B2

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Designated extension state (EPC)

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DOCDB simple family (application)

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