

Title (en)
DISHWASHER WITH OPTICAL DEVICE AND ILLUMINATION DEVICE

Title (de)
GESCHIRRSPÜLER MIT OPTISCHER VORRICHTUNG UND BELEUCHTVORRICHTUNG

Title (fr)
LAVE-VAISSELLE AVEC DISPOSITIF OPTIQUE ET DISPOSITIF D'ÉCLAIRAGE

Publication
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Application
EP 20164172 A 20200319

Priority
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Abstract (en)
The present invention concerns a dishwasher (1) comprising: a pump (12) that can be connected to a mains water inlet for taking water from the mains, a washing zone (2) in fluid communication with said pump (12), said washing zone (2) being defined by a plurality of walls (2A, 2B, 2C, 2D, 2E), a door (3), configured to switch between a closed configuration in which it precludes access to said washing zone (2) and at least one open configuration in which it allows access to said washing zone (2), one or more illumination, sanitizing and image acquisition complexes (8) comprising an illumination device (82) facing said washing zone (2) and having a first light source (83) configured to emit a radiation in the visible spectrum and a second light source (84) configured to emit a radiation in the ultraviolet spectrum, an optical device (81) facing said washing zone (2) and configured to acquire digital images (J) of said washing zone (2). The dishwasher comprises a control unit (4) placed in signal communication with one or more illumination, sanitizing and image acquisition complexes (8) to control said one or more illumination, sanitizing and image acquisition complexes (8). A characteristic is that one or more walls of the plurality of walls (2A, 2B, 2C, 2D, 2E) of the washing zone (2) comprise, within their thickness, a seat (2F) configured to house one or more of the aforesaid illumination, sanitization and image acquisition complexes (8).

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Citation (applicant)
• WO 2016008699 A1 20160121 - BSH HAUSGERAETE GMBH [DE]
• US 2012138092 A1 20120607 - ASHRAFZADEH FARHAD [US], et al
• DE 102009023252 A1 20101202 - BSH BOSCH SIEMENS HAUSGERAETE [DE]
• WO 2019015996 A1 20190124 - BSH HAUSGERAETE GMBH [DE]
• US 2012138092 A1 20120607 - ASHRAFZADEH FARHAD [US], et al
• DE 102007022572 A1 20071122 - LG ELECTRONICS INC [KR]
• DE 10256168 A1 20040609 - BSH BOSCH SIEMENS HAUSGERAETE [DE]

Citation (search report)
• [A] DE 102009023252 A1 20101202 - BSH BOSCH SIEMENS HAUSGERAETE [DE]
• [A] WO 2019015996 A1 20190124 - BSH HAUSGERAETE GMBH [DE]
• [A] US 2012138092 A1 20120607 - ASHRAFZADEH FARHAD [US], et al
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