

Title (en)
DISHWASHER AND CONTROL METHOD THEREFOR

Title (de)
GESCHIRRSPÜLER UND STEUERUNGSVERFAHREN DAFÜR

Title (fr)
LAVE-VAISSELLE ET SON PROCÉDÉ DE COMMANDE

Publication
EP 3845113 A4 20211110 (EN)

Application
EP 19889032 A 20190806

Priority

- CN 201811419584 A 20181126
- CN 201811420522 A 20181126
- CN 2019099429 W 20190806

Abstract (en)
[origin: EP3845113A1] The present disclosure relates to a dishwasher and a method for controlling the dishwasher. The dishwasher includes a housing and further includes a plasma sterilization and disinfection apparatus arranged inside the housing, the plasma sterilization and disinfection apparatus includes a discharge electrode plate, a ground electrode plate, a radio-frequency power supply and an earthing power supply, a tableware storage space is formed between the discharge electrode plate and the ground electrode plate, the radio-frequency power supply is connected to the discharge electrode plate, and the earthing power supply is connected to the ground electrode plate. Large-area glow plasma covering tableware is generated by selecting the appropriate power supply and designing a reasonable discharge electrode structure, thus realizing efficient sterilization and disinfection by the dishwasher through the plasma, solving the problems of low efficiency and long treatment time faced by a sterilization method of an existing dishwasher.

IPC 8 full level
A47L 15/42 (2006.01); **A47L 15/00** (2006.01); **A47L 15/46** (2006.01)

CPC (source: EP)
A47L 15/0036 (2013.01); **A47L 15/4236** (2013.01); **A47L 15/0015** (2013.01); **A47L 2601/20** (2013.01)

Citation (search report)

- [I] KR 20040110559 A 20041231 - P S M CO LTD, et al
- [A] US 2013319460 A1 20131205 - SCHNEIDER VERA [DE], et al
- See references of WO 2020107938A1

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 3845113 A1 20210707; **EP 3845113 A4 20211110**; WO 2020107938 A1 20200604

DOCDB simple family (application)
EP 19889032 A 20190806; CN 2019099429 W 20190806