

Title (en)
HOUSEHOLD APPLIANCE HAVING A SELF-CLEANING CATALYTICALLY ACTIVE SURFACE AND A METHOD FOR OPERATING THE SAME

Title (de)
HAUSHALTSGERÄT MIT EINER SELBSTREINIGENDEN, KATALYTISCH AKTIVEN OBERFLÄCHE UND VERFAHREN ZUM BETRIEB DAVON

Title (fr)
APPAREIL ÉLECTROMÉNAGER PRÉSENTANT UNE SURFACE À ACTIVITÉ CATALYTIQUE AUTO-NETTOYANTE ET SON PROCÉDÉ DE FONCTIONNEMENT

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Abstract (en)
[origin: WO2018086863A1] The invention relates to a household appliance (1) with at least one self-cleaning catalytically active surface containing at least one reactive oxygen species (ROS) generator (17), wherein the at least one ROS generator is selected from the group consisting of compounds with the formula (I), (II) or (III), Ag-B-M-Sulfur (I) wherein B is selected from the group consisting of Al, Ga, In, Sn, Tl, Pb and Bi; and M is selected from the group consisting of Ti, Zr, Cr, Mo, Mn, Fe, Ru, Ni, Pd, Cu, Zn and Cd; MOq-A (II) wherein q = 2 or 3; and M is selected from the group consisting of Zr, Ti, Cr, Mo, W and Mn; and A is acetylacetonate or a derivative thereof selected from the group consisting of compounds with the formula (A) wherein R1, R2 and R3 are independently selected from the group consisting of H, Cl, Br, I, and C1 to C80 hydrocarbon and polymer radicals. YSe-Rx-MO2 (III) wherein Y is selected from Sn or Pb; and Rx is a carbon allotrope; and M is selected from the group consisting of Zr, Ti, Cr, Mo, W and Mn.

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