

Title (en)

HAND DRYING DEVICE, WASHBASIN WITH HAND DRYING DEVICE, AND METHOD FOR CONTROL OF HAND DRYING DEVICE

Title (de)

HANDTROCKNUNGSVORRICHTUNG, WASCHBECKEN MIT HANDTROCKNUNGSVORRICHTUNG UND VERFAHREN ZUR STEUERUNG DER HANDTROCKNUNGSVORRICHTUNG

Title (fr)

DISPOSITIF DE SÉCHAGE DE MAINS, LAVABO AVEC DISPOSITIF DE SÉCHAGE DE MAINS ET PROCÉDÉ DE COMMANDE DU DISPOSITIF DE SÉCHAGE DE MAINS

Publication

EP 3998005 A4 20220720 (EN)

Application

EP 19936781 A 20190711

Priority

JP 2019027494 W 20190711

Abstract (en)

[origin: EP3998005A1] This hand dryer device includes a nozzle unit including an air outlet for blowing air out in a predetermined blowing direction, a blower that supplies air to be blown out of the air outlet to the nozzle unit, a distance detection means that detects a distance between an object and the nozzle unit, the object being disposed apart from the air outlet in the blowing direction, a hand detection means that detects a hand being placed between the object and the nozzle unit, and a control unit that sets a rotational speed of the blower based on the distance detected by the distance detection means, and drives the blower when the hand detection means detects a hand. A rotational speed of the blower that is set when the distance detected by the distance detection means is less than a first distance is less than a rotational speed of the blower that is set when the distance detected by the distance detection means is equal to the first distance.

IPC 8 full level

A47K 10/48 (2006.01); **A47K 1/00** (2006.01)

CPC (source: EP)

A47K 10/48 (2013.01); **A47K 2210/00** (2013.01)

Citation (search report)

- [X] WO 2018037555 A1 20180301 - MITSUBISHI ELECTRIC CORP [JP]
- [A] JP 2014050473 A 20140320 - MITSUBISHI ELECTRIC CORP
- See references of WO 2021005780A1

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 3998005 A1 20220518; EP 3998005 A4 20220720; EP 3998005 B1 20240626; CN 114025651 A 20220208; CN 114025651 B 20230324; JP 7138794 B2 20220916; JP WO2021005780 A1 20211028; TW 202102175 A 20210116; WO 2021005780 A1 20210114

DOCDB simple family (application)

EP 19936781 A 20190711; CN 201980098012 A 20190711; JP 2019027494 W 20190711; JP 2021530451 A 20190711; TW 108131264 A 20190830