

Title (en)  
U-SHAPED HAND DRYER DEVICE

Title (de)  
U-FÖRMIGER HÄNDETROCKNER

Title (fr)  
DISPOSITIF SÈCHE-MAINS EN FORME DE U

Publication  
**EP 4169425 A1 20230426 (EN)**

Application  
**EP 22383009 A 20221020**

Priority  
ES 202130982 A 20211020

Abstract (en)  
The present invention relates to a hand dryer device comprising a casing (1), a drying chamber (2) superiorly open formed in the upper portion of the same casing (1) configured for placing the hands of the user, aeration means provided for orienting an air flow rate towards an outlet located in the area of the drying chamber, and detection means for detecting the presence of the hands of the user in the drying chamber. The drying chamber (2) runs transversely from the front region to the rear region of the casing (1), said drying chamber being laterally delimited by two arms (14) facing each other, which extend vertically from the corresponding lateral regions, the drying chamber (2) having dimensions configured for the insertion of the two hands of the user from the front area of the casing (1). The air outlet is located on the internal face of the two arms (14), so that the air flow rate is laterally oriented towards the hands of a user.

IPC 8 full level  
**A47K 10/48** (2006.01)

CPC (source: EP ES US)  
**A47K 10/48** (2013.01 - EP ES US)

Citation (search report)  
• [XY] CN 103750779 A 20140430 - LEDGIT CORP  
• [XY] WO 2012023294 A1 20120223 - MITSUBISHI ELECTRIC CORP [JP], et al  
• [IY] EP 2720596 A1 20140423 - J V D S A S [FR]

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 ME MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)  
BA

Designated validation state (EPC)  
KH MA MD TN

DOCDB simple family (publication)  
**EP 4169425 A1 20230426**; ES 2935140 A1 20230301; US 2023127838 A1 20230427

DOCDB simple family (application)  
**EP 22383009 A 20221020**; ES 202130982 A 20211020; US 202217969561 A 20221019