

Title (en)
HUMIDIFIER

Title (de)
BEFEUCHTER

Title (fr)
HUMIDIFICATEUR

Publication
EP 2600072 A4 20180328 (EN)

Application
EP 11812230 A 20110705

Priority
• JP 2010166677 A 20100726
• JP 2011065341 W 20110705

Abstract (en)
[origin: EP2600072A1] Provided is a humidifier enabling the weight load of a tank to be used to fit the tank, and the burden on the user to be reduced. In a humidifier (1), a tray (14) is fitted from a sideward direction onto a main body (10), and a tank (16) is fitted from a sideward direction onto a tank receiver (14a) of the tray (14). A support section (143) for supporting the tank (16) is provided to the tank receiver (14a). When fitting the tank (16), the user brings a support corner (16a) of the tank (16) into contact with the support section (143), and brings the tank (16) closer to the main body (10) while causing the tank (16) to rotate about the vicinity of the support section (143). Since the first protruding section (161), which protrudes towards the main-body (10) side, is formed on the upper half of the tank (16), when the center of gravity of the tank (16) has shifted further towards the main body (10) than the vertical plane passing through the center of rotation, the own weight of the tank (16) causes the tank to move towards the main-body (10) side.

IPC 8 full level
F24F 6/00 (2006.01); **F24F 6/06** (2006.01)

CPC (source: EP)
F24F 6/06 (2013.01); **F24F 2006/008** (2013.01); **F24F 2221/12** (2013.01)

Citation (search report)
• [XAY] JP 2005344979 A 20051215 - HITACHI HOME & LIFE SOLUTIONS
• [XA] JP 2000161725 A 20000616 - HITACHI HOME TEC LTD
• [Y] JP 2009030940 A 20090212 - SHARP KK
• [A] WO 2009034955 A1 20090319 - DAIKIN IND LTD [JP], et al
• [A] JP H0518508 A 19930126 - MATSUSHITA ELECTRIC IND CO LTD
• See references of WO 2012014637A1

Cited by
EP3027973A4; WO2015086433A1

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

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EP 11812230 A 20110705; CN 201180036386 A 20110705; JP 2010166677 A 20100726; JP 2011065341 W 20110705; RU 2013108068 A 20110705; RU 2014131045 A 20140725