

Title (en)

LAUNDRY DEVICE COMPRISING AN ACTIVE COOLING ELEMENT

Title (de)

WASCHVORRICHTUNG, DIE EIN AKTIVES KÜHLELEMENT UMFASST

Title (fr)

DISPOSITIF DE BLANCHISSERIE COMPRENANT UN ÉLÉMENT DE REFROIDISSEMENT ACTIF

Publication

**EP 4098795 A1 20221207 (EN)**

Application

**EP 22170726 A 20220429**

Priority

CN 202110589663 A 20210528

Abstract (en)

The present disclosure is directed to a laundry device (100), comprising a housing (101), which delimits an interior space (103) of the laundry device (100), and which comprises a door opening (107), a laundry drum (109), which is arranged in the interior space (103) of the laundry device (100), and which is adapted to receive wet laundry (113), a door (111), which is adapted to close the door opening (107), wherein the door (111) comprises a projecting section (119), which projects through the door opening (107) into the interior space (103) of the laundry device (100) in a closed state of the door (111), wherein the projecting section (119) comprises a condensing surface (133), which faces towards the interior space (103) of the laundry device (100), an active cooling element (141, 141-1, 141-2), which is arranged in the door (111), and which is adapted to actively cool the condensing surface (133), and a ventilation and heating unit (125), which is adapted to heat air and to direct a flow of the heated air through the wet laundry (113) received in the laundry drum (109), in order to obtain heated air with an increased humidity, which in turn is directed towards the condensing surface (133), so that liquid from the heated air with an increased humidity condenses at the condensing surface (133).

IPC 8 full level

**D06F 58/24** (2006.01); **D06F 25/00** (2006.01); **D06F 39/08** (2006.01); **D06F 39/14** (2006.01)

CPC (source: CN EP)

**D06F 58/10** (2013.01 - CN); **D06F 58/20** (2013.01 - CN); **D06F 58/24** (2013.01 - CN EP); **D06F 58/26** (2013.01 - CN); **D06F 25/00** (2013.01 - EP); **D06F 39/083** (2013.01 - EP); **D06F 39/14** (2013.01 - EP); **D06F 58/18** (2013.01 - EP)

Citation (applicant)

US 2328256 A 19430831 - FRANK BRECKENRIDGE

Citation (search report)

- [X] DE 4032904 A1 19920423 - ZANKER GMBH [DE]
- [XP] EP 3848499 A1 20210714 - WHIRLPOOL CO [US]
- [X] US 5279047 A 19940118 - JANECKE WERNER [DE]
- [A] WO 9528515 A1 19951026 - ELECTROLUX AB [SE], et al

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

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

**EP 4098795 A1 20221207**; CN 115404681 A 20221129

DOCDB simple family (application)

**EP 22170726 A 20220429**; CN 202110589663 A 20210528