

Title (en)

STEAM INJECTION APPARATUS FOR USE IN A STEAM LAUNDRY DRYER AND STEAM LAUNDRY DRYER HAVING THE SAME

Title (de)

DAMPFEINSPRITZUNGSVORRICHTUNG ZUR VERWENDUNG IN EINEM DAMPFWÄSCHETROCKNER UND DAMPFWÄSCHETROCKNER DAMIT

Title (fr)

APPAREIL D'INJECTION DE VAPEUR DESTINÉ À ÊTRE UTILISÉ DANS UN SÈCHE-LINGE VAPEUR ET SÈCHE-LINGE VAPEUR METTANT EN OEUVRE LEDIT APPAREIL

Publication

EP 3074563 A1 20161005 (EN)

Application

EP 13798334 A 20131129

Priority

EP 2013075086 W 20131129

Abstract (en)

[origin: WO2015078512A1] The present invention relates to a steann injection apparatus (1) suitable for use in a household appliance, in particular a steann laundry dryer (2). The steam injection apparatus (1) has a chamber (3) which encloses a cavity, an inlet port (4) which conveys a pressurized water/steam mixture into the chamber (3), a first outlet port (5) which drains water out of the chamber (3) and a second outlet port (6) which discharges the steam out of the chamber (3). The first outlet port (5) and the second outlet port (6) are in fluid communication with the inlet port (4). In the steam injection apparatus (1) according to the present invention, the chamber (3) has a concave deflective portion (7) for separating the water/steam mixture into separate phases, namely condense water and steam. The concave deflective portion (7) has a concave surface (8). The concave side of the surface (8) is arranged so as to oppose the inlet port (4). The inlet port (4) is configured to direct the pressurized water/steam mixture onto the concave side of the surface (8).

IPC 8 full level

D06F 39/00 (2006.01); **D06F 58/20** (2006.01); **D06F 58/24** (2006.01); **F22B 37/00** (2006.01)

CPC (source: EP US)

D06F 58/203 (2013.01 - EP US); **F16T 1/34** (2013.01 - EP); **F22B 37/28** (2013.01 - EP)

Citation (search report)

See references of WO 2015078512A1

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)

WO 2015078512 A1 20150604; EP 3074563 A1 20161005

DOCDB simple family (application)

EP 2013075086 W 20131129; EP 13798334 A 20131129