

Title (en)

MOISTURE SEPARATING AND HEATING DEVICE AND MOISTURE SEPARATING AND HEATING FACILITY WITH SAME

Title (de)

FEUCHTIGKEITSTRENNUNGS- UND HEIZVORRICHTUNG SOWIE FEUCHTIGKEITSTRENNUNGS- UND HEIZANLAGE DAMIT

Title (fr)

SÉCHEUR SURCHAUFFEUR, ET ÉQUIPEMENT DE SÉCHAGE SURCHAUFFAGE ÉQUIPÉ DE CELUI-CI

Publication

EP 2947385 A4 20161116 (EN)

Application

EP 14740991 A 20140107

Priority

- JP 2013006110 A 20130117
- JP 2014050089 W 20140107

Abstract (en)

[origin: EP2947385A1] This moisture separating and heating device is provided with: an end partition plate (60) which divides the inside of a container (10) in the axial direction (H) into an end chamber (62) and a vapor chamber (20), the vapor chamber (20) allowing vapor to be heated to flow therein; and a heater (55) which penetrates through the end partition plate (60), has one part located in the end chamber and the other part located in the vapor chamber, and heats the vapor to be heated by means of heating vapor (S1), the vapor to be heated having flowed into the vapor chamber. The heater (55) is provided with a vapor drain pipe (58o) which discharges a drainage of the heating vapor having exchanged heat with the vapor to be heated, to the outside of the container (10) through the end chamber (62). The container (10) is provided with a nozzle (63) which is connected to a high-pressure fluid supply source (T) for supplying a high-pressure fluid (S3) having a pressure higher than pressure in the end chamber (62), penetrates through to the inside of the end chamber from below the end chamber (62), and jets the high-pressure fluid (S3) into the end chamber.

IPC 8 full level

F22G 3/00 (2006.01); **F01K 7/22** (2006.01); **G21D 1/02** (2006.01)

CPC (source: EP)

F22B 1/003 (2013.01); **F22G 3/006** (2013.01)

Citation (search report)

- [A] US 2011005471 A1 20110113 - FUJITA ISSAKU [JP], et al
- [A] JP 2008175072 A 20080731 - MITSUBISHI HEAVY IND LTD
- [A] US 4714054 A 19871222 - MINARD PAUL G [US], et al
- [A] US 2009288418 A1 20091126 - FUJITA ISSAKU [JP], et al
- See references of WO 2014112408A1

Cited by

EP3696381A4; US11339686B2

Designated contracting state (EPC)

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