

Title (en)

ARTICLES TREATMENT APPARATUS HAVING HEAT PUMP SYSTEM WITH SAFETY ELEMENT

Title (de)

ARTIKELBEHANDLUNGSVORRICHTUNG MIT WÄRMEPUMPENSYSTEM MIT SICHERHEITSELEMENT

Title (fr)

APPAREIL DE TRAITEMENT D'ARTICLES DOTÉ D'UN SYSTÈME DE POMPE À CHALEUR AVEC ÉLÉMENT DE SÉCURITÉ

Publication

EP 2527519 A1 20121128 (EN)

Application

EP 11167560 A 20110526

Priority

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Abstract (en)

The invention relates to an articles treatment apparatus having a heat pump system (4), the heat pump system having a refrigerant loop (6) comprising: a first heat exchanger (10) for heating a refrigerant, a second heat exchanger (12) for cooling the refrigerant, a refrigerant expansion device (16) arranged in the refrigerant loop (6) between the second heat exchanger (12) and the first heat exchanger (10), and a compressor (14) arranged in the refrigerant loop (6) between the first heat exchanger (10) and the second heat exchanger (12). According to the invention a refrigerant release device (36, 40, 46, 51, 54) is provided in fluid connection to a high pressure branch of the refrigerant loop (6) and adapted to release refrigerant from the refrigerant loop (6) through an outlet of the release device.

IPC 8 full level

D06F 58/20 (2006.01)

CPC (source: EP US)

D06F 58/206 (2013.01 - EP US)

Citation (applicant)

- EP 2060671 B1 20100630 - ELECTROLUX HOME PROD CORP [BE]
- WO 2008105232 A1 20080904 - SANYO ELECTRIC CO [JP], et al
- WO 2008105233 A1 20080904 - SANYO ELECTRIC CO [JP], et al

Citation (search report)

- [X] EP 1493860 A2 20050105 - SANYO ELECTRIC CO [JP]
- [I] US 3224214 A 19651221 - NICKELL GRASON T, et al
- [AD] EP 2060671 A1 20090520 - ELECTROLUX HOME PROD CORP [BE]

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)

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