

Title (en)

Laundry treatment apparatus having heat pump system with safety element

Title (de)

Wäschebehandlungsvorrichtung mit Wärmepumpensystem mit Sicherheitselement

Title (fr)

Appareil de traitement de linge doté d'un système de pompe à chaleur avec élément de sécurité

Publication

EP 2527518 B1 20170503 (EN)

Application

EP 11167558 A 20110526

Priority

EP 11167558 A 20110526

Abstract (en)

[origin: EP2527518A1] 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 safety unit (32; 34, 44, 38, 42) is provided, comprising or being a refrigerant condition detector (34, 44, 38, 42) arranged at or in fluid connection to the refrigerant loop (6), wherein the safety unit is configured to detect an overpressure state in the refrigerant loop.

IPC 8 full level

D06F 58/20 (2006.01)

CPC (source: EP US)

D06F 58/206 (2013.01 - EP US)

Cited by

CN105473779A; US10351989B2; JP2015084996A; WO2014102073A1; WO2015003741A1

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

DOCDB simple family (publication)

EP 2527518 A1 20121128; EP 2527518 B1 20170503

DOCDB simple family (application)

EP 11167558 A 20110526