

Title (en)  
Dehumidifying and heating apparatus and clothes drying machine using the same

Title (de)  
Vorrichtung zur Entfeuchtung und Erwärmung sowie Wäschetrockner damit

Title (fr)  
Appareil de chauffage/déshumidification et sèche-linge l'utilisant

Publication  
**EP 2468948 A2 20120627 (EN)**

Application  
**EP 11192324 A 20111207**

Priority  
• JP 2010283982 A 20101221  
• JP 2010283985 A 20101221

Abstract (en)  
A clothes drying machine of the present invention includes heat pump device having compressor (2), condenser (3) having heat radiator (7) and heat exhauster (8), expansion portion (4), and evaporator (5), first air passage (9) which is provided therein with first blowing portion (10) which blows air into the heat radiator and the evaporator, the heat radiator, and the evaporator and heats and dehumidifies the air blown by the first blowing portion, and second air passage (11) which is provided therein with second blowing portion (12) which blows air into the heat exhauster and the heat exhauster, sucks outside air by means of the second blowing portion, and exhausts part of heat in the condenser to the outside with the heat exhauster, wherein the heat radiator and the heat exhauster of the condenser are integrally provided.

IPC 8 full level  
**D06F 58/20** (2006.01)

CPC (source: EP US)  
**D06F 58/206** (2013.01 - EP US)

Citation (applicant)  
JP 2004239549 A 20040826 - MATSUSHITA ELECTRIC IND CO LTD

Cited by  
WO2015068092A1; EP2871432A1; CN106288507A; CN107356016A; EP3199690A4; US2017314181A1; US11085143B2

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)  
**EP 2468948 A2 20120627; EP 2468948 A3 20120926; EP 2468948 B1 20131127**; CN 102605596 A 20120725; CN 102605596 B 20150624

DOCDB simple family (application)  
**EP 11192324 A 20111207**; CN 201110430857 A 20111220