

Title (en)
HOUSEHOLD APPLIANCE HAVING A HEAT-PUMP ARRANGEMENT AND METHOD FOR OPERATING THE HOUSEHOLD APPLIANCE

Title (de)
HAUSHALTSGERÄT MIT WÄRMEPUMPENANORDNUNG UND VERFAHREN ZUM BETRIEB DES HAUSHALTGERÄTES

Title (fr)
APPAREIL DOMESTIQUE DOTÉ D'UN AGENCEMENT DE POMPE À CHALEUR ET PROCÉDÉ DE FONCTIONNEMENT DE L'APPAREIL DOMESTIQUE

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Application
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Abstract (en)
The invention relates to a household appliance having a heat-pump arrangement, in particular a domestic laundry or dishes treatment machine, more preferably a drying machine, a washer dryer (2), a washing machine or a dishwasher, wherein the household appliance comprises: a cabinet housing (4), a heat pump (34) having a variable speed compressor (46), and a control and drive unit (65, 66) configured for operating the compressor (46) at a given speed (Sg) or a given power (Pg). The control and drive unit (65, 66) is adapted to control the compressor (46) in a speed range in which at least one forbidden compressor speed range (FCSR)(72, 74) defining a compressor speed range where the compressor (46) is normally not to be operated is specified, (46) such that its speed is at least temporally kept above or at an upper limit (72a, 74a) or to be at least temporally kept below or at a lower limit (72b, 74b) of the forbidden compressor speed range and such that a period for increasing the speed from a lower limit (72b, 74b) to an upper limit (72a, 74a) or for decreasing the speed from an upper limit (72a, 74a) to a lower limit (72b, 74b) of the forbidden compressor speed range (FCSR) is reduced or minimized.

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Citation (search report)
• [X] EP 3239387 A1 20171101 - ELECTROLUX APPLIANCES AB [SE]
• [X] EP 2733257 A1 20140521 - ELECTROLUX HOME PROD CORP [BE]
• [X] US 2012186305 A1 20120726 - TANIGUCHI MITSUNORI [JP], et al
• [A] EP 2746458 A1 20140625 - ELECTROLUX HOME PROD CORP [BE]

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