Title (en)

COOLING APPLIANCE STORING COOLANT IN THE CONDENSER, AND CORRESPONDING METHOD

Title (de)

KÜHLGERÄT MIT KÜHLMITTELSPEICHERUNG IM VERFLÜSSIGER UND ENTSPRECHENDES VERFAHREN

Title (fr)

APPAREIL FRIGORIFIQUE À STOCKAGE DU FLUIDE FRIGORIGÈNE DANS LE CONDENSEUR ET PROCÉDÉ CORRESPONDANT

Publication

EP 2297531 A2 20110323 (DE)

Application

EP 09749772 A 20090515

Priority

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- DE 102008024325 A 20080520

Abstract (en)

[origin: WO2009141282A2] The aim of the invention is to design a cooling appliance, in particular a combined household refrigerator/freezer which has a simple structure and in which each of at least two compartments can be individually switched off. Said aim is achieved by a cooling appliance comprising a cooling cycle that encompasses a compressor (5), a condenser (6) with a cooling conduit (60) that is connected to the compressor (5) at the first end (61), a first valve (11) that is connected to the second end (62) of the cooling conduit (60) of the condenser (6), a first evaporator (3) that is arranged downstream of the first valve (11) and is connected to the compressor (5), and a second evaporator (4). A second valve (10) is arranged between the two ends (61, 62) of the cooling cycle (60) of the condenser (6) and is connected to the second evaporator (4) by means of a second outlet (10b). The second evaporator (4) is connected to the compressor (5) at the outlet end. It is thus advantageously possible to design a simple dual cycle system comprising a single compressor while the amount of coolant can be adjusted to the condenser, or vice versa, because coolant is stored in the second portion (6b) of the condenser (6), resulting in greater energy efficiency.

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

See references of WO 2009141282A2

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