

Title (en)
Multi-functioning air conditioning system

Title (de)
Multifunktionsklimaanlage

Title (fr)
Système de climatisation multifonction

Publication
EP 2469199 A1 20120627 (EN)

Application
EP 10425393 A 20101224

Priority
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Abstract (en)
Multi-functioning air-conditioning system able to provide hot or cold air and sanitary hot water, wherein a first circuit comprises at least a heat regenerator (1), a condenser/evaporator (2), a "lap" refrigerating battery (3), a four outputs flux adjusting valve (11, 11'), flux adjusting solenoid valves (12, 12', 13, 13', 14, 14', 10, 10'), a compressor (15, 15'), a throttling valve (16); a second circuit comprises at least a heat regenerator (1), a condenser/evaporator (2), a "lap" refrigerating battery (3), flux distributing pumps (4, 7), accumulation tanks (5, 6), a four outputs flux adjusting valve (11, 11'), flux adjusting solenoid valves (12, 12', 13, 13', 14, 14', 10, 10'), a compressor (15, 15'), a throttling valve (16), characterized in that: the regenerator (1) and a condenser/evaporator (2) function as two machines in series and they are shared by the first and the second circuit; at least a lap refrigerating battery (3) is introduced in the two circuits systems which is apt to carry out the defrosting without producing negative energy on the evaporator.

IPC 8 full level
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Citation (search report)
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• [A] WO 2010021321 A1 20100225 - DAIKIN IND LTD [JP], et al
• [A] JP 2003106712 A 20030409 - SANYO ELECTRIC CO, et al
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