

Title (en)
Refrigeration cycle system

Title (de)
Kältekreislaufanordnung

Title (fr)
Système à circuit frigorifique

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Application
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Abstract (en)
The present invention relates to a refrigerant cycle system including a compressor (1), a condenser (2), a depressurizing means (4) and a evaporator (3) which are connected in series with each other to form a refrigerant circulation circuit. The refrigerant cycle system includes a heat exchanging portion (11). The heat exchanging portion (11) exchanges heat between a part of or all of the refrigerant passing through a refrigerant passage (5) from the compressor (1) to a depressurizing means (4) by way of the condenser (2) and a part of or all of the refrigerant passing through a refrigerant passage (6) from the depressurizing means (4) to the compressor (1) by way of the evaporator (3). <IMAGE>

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IPC 8 full level
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Cited by
EP1043550A4; DE10300487B4; ITMS20080004A1; US6105386A; EP0915306A3; EP1655554A3; ITMS20080005A1; DE10060114B4; EP1396689A4; CN101799233A; EP2952832A1; EP1260776A1; CN108413560A; DE102013113229A1; CN113639479A; FR2840975A1; EP1083395A1; AU768858B2; US6895768B2; US6901763B2; US7694528B2; WO2005010445A1; WO02101304A1; WO2022217851A1; WO03106901A1; US10962307B2; US7415836B2; US6938432B2

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