

Title (en)
Cooling System

Title (de)
Kühlsystem

Title (fr)
Système de refroidissement

Publication
EP 1630496 A2 20060301 (EN)

Application
EP 05255234 A 20050825

Priority
KR 20040068118 A 20040827

Abstract (en)
A cooling system including a compressor (10) compressing a refrigerant and a condenser (60) condensing the compressed refrigerant, includes: an evaporator section (51, 52) having a plurality of evaporators (51, 52) evaporating the refrigerant condensed in the condenser (60); a switching valve (30) on a refrigerant line between the condenser (60) and the evaporator, and selectively switching a refrigerant supply to the plurality of evaporators (51, 52); and a refrigerant expansion part (41, 42) adjacent to at least one of the evaporators, allowing refrigerant introduced into the plurality of evaporators (51, 52) through the switching valve (30) to expand. A refrigerant inlet of the refrigerant expansion part (41, 42) adjacent to any of the evaporators is connected to the switching valve (30), and a refrigerant outlet thereof is connected to an inlet of another evaporator.

IPC 8 full level
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Cited by
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