

Title (en)
Refrigerating machine

Title (de)
Kältemaschine

Title (fr)
Machine frigorifique

Publication
EP 1577622 A2 20050921 (EN)

Application
EP 05005611 A 20050315

Priority
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Abstract (en)
A refrigerating machine is equipped with a compressor 1, a radiator 2, a pressure-reducing device 3, a gas-liquid separator 4, a unit for introducing the gas refrigerant separated in gas-liquid separator 4 into an intermediate pressure portion of the compressor, and a low pressure side circuit 9 in which liquid refrigerant separated in the gas-liquid separator is circulated. The low pressure side circuit 9 is provided with a heat absorbing unit 10 which selectively functions in different temperature zones. When the heat absorbing unit 10 is made to function in a high temperature zone, the gas refrigerant separated in the gas-liquid separator 4 is inhibited from being introduced into the intermediate pressure portion of the compressor 1 is inhibited, or allowed to be introduced into another intermediate pressure portion which is lower in pressure than the intermediate pressure portion.

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F25B 1/10; **F25D 11/02**; **F25B 5/02**

IPC 8 full level
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CPC (source: EP KR US)
F25B 1/00 (2013.01 - KR); **F25B 1/10** (2013.01 - EP US); **F25B 5/02** (2013.01 - EP KR US); **F25B 41/39** (2021.01 - EP); **F25D 11/02** (2013.01 - EP US); **F25D 21/04** (2013.01 - KR); **F25B 9/008** (2013.01 - EP US); **F25B 41/39** (2021.01 - US); **F25B 2309/061** (2013.01 - EP US); **F25B 2400/13** (2013.01 - EP US); **F25B 2400/23** (2013.01 - EP US); **F25B 2600/2509** (2013.01 - EP US); **F25B 2600/2511** (2013.01 - EP US); **F25D 11/022** (2013.01 - EP US); **F25D 17/045** (2013.01 - EP US); **F25D 17/065** (2013.01 - EP US); **F25D 2317/0682** (2013.01 - EP US); **F25D 2400/04** (2013.01 - EP US)

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US11754321B2; CN102003827A; EP2229562A4; EP3499158A1; GB2446062A; GB2446062B; US7866174B2; US8671703B2; US8316654B2; US10969156B2; US9951975B2; WO2008010633A1; WO2016034443A1; WO2009062526A1

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EP 05005611 A 20050315; CN 200510056393 A 20050318; KR 20050018959 A 20050308; US 8042205 A 20050316