

Title (en)

Heat-save cooler

Title (de)

Wärmesparender Kühler

Title (fr)

Refroidisseur épargnant de la chaleur

Publication

EP 1420218 B1 20080910 (EN)

Application

EP 03025862 A 20031111

Priority

IT TO20020982 A 20021113

Abstract (en)

[origin: EP1420218A2] A single- or reversible-cycle heat-save cooler (1) having a first heat exchanger (2) where a cooling fluid exchanges heat with the outside environment; a second heat exchanger (3) where the cooling fluid exchanges heat with a first liquid; a cooling fluid compressor unit (5) where the cooling fluid is compressed to increase its pressure; and a third heat exchanger (4) where the cooling fluid exchanges heat with a second liquid; the third heat exchanger (4) being located immediately downstream from the compressor unit (5); and the cooler (1) also having a liquid-gas separating unit (17) located immediately downstream from the third heat exchanger (4) to retain all or part of the liquid cooling fluid issuing from the third heat exchanger (4). <IMAGE>

IPC 8 full level

F25B 13/00 (2006.01); **F25B 29/00** (2006.01); **F25B 40/04** (2006.01); **F25B 43/00** (2006.01)

CPC (source: EP)

F25B 13/00 (2013.01); **F25B 40/04** (2013.01); **F25B 41/385** (2021.01); **F25B 43/00** (2013.01); **F25B 2313/02331** (2013.01); **F25B 2313/02533** (2013.01); **F25B 2400/23** (2013.01); **F25B 2700/04** (2013.01)

Cited by

CN111927759A; WO2013164036A1

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EP 1420218 A2 20040519; **EP 1420218 A3 20041222**; **EP 1420218 B1 20080910**; AT E408103 T1 20080915; DE 60323443 D1 20081023; ES 2312712 T3 20090301; IT TO20020982 A1 20040514

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