

Title (en)  
CONDENSING SUB-COOLER FOR REFRIGERATION SYSTEMS

Publication  
**EP 0180151 A3 19860611 (EN)**

Application  
**EP 85113527 A 19851024**

Priority  
US 66591684 A 19841029

Abstract (en)  
[origin: EP0180151A2] A fixed, mechanical condenser sub-cooler 12 for a refrigeration system 10 which increases the efficiency of the system is provided. The sub-cooler includes a shell 40 defining a chamber having a spray bar 48 mounted therein through which high pressure liquid refrigerants is passed such that its pressure is reduced so as to cool the liquid refrigerant 56. The subcooler is positioned in the high pressure liquid line 38 prior to a metering device 14 such as an expansion valve.

IPC 1-7  
**F25B 1/00**; **F25B 39/04**

IPC 8 full level  
**F25B 1/00** (2006.01); **F25B 39/04** (2006.01); **F25B 40/02** (2006.01)

CPC (source: EP)  
**F25B 39/04** (2013.01); **F25B 40/02** (2013.01); **F25B 2400/13** (2013.01)

Citation (search report)

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