

Title (en)

Energy conserving heat exchange apparatus for refrigerating machines, and refrigerating machine equipped therewith.

Title (de)

Energiesparender Wärmetauscher für Kältemaschinen und mit einem solchen Wärmetauscher versehene Kältemaschine.

Title (fr)

Echangeur de chaleur conservant de l'énergie pour des machines frigorifiques, et machine frigorifique pourvue d'un tel échangeur de chaleur.

Publication

**EP 0058259 A1 19820825 (EN)**

Application

**EP 81300602 A 19810213**

Priority

EP 81300602 A 19810213

Abstract (en)

For an ice making machine including a refrigeration unit (11) there is provided a water-to-refrigerant heat exchange condenser (12) connectible to an external water supply (13, 14) for heating water therein. The heat exchange relation between the refrigeration unit (11) and the external water supply is determined by a control system (26, 28, 30) which is responsive to both refrigerant pressure at the condenser refrigerant outlet (12b), and the water temperature at the condenser water outlet (12d) for controlling water flow through the condenser while maintaining a pre-determined optimum range of refrigerant pressures in the heat exchanger (12).

IPC 1-7

**F25B 49/00**; **F25B 29/00**; **F24D 17/00**

IPC 8 full level

**F24D 17/02** (2006.01); **F25B 29/00** (2006.01); **F25B 40/04** (2006.01)

CPC (source: EP)

**F24D 17/02** (2013.01); **F25B 29/003** (2013.01); **F25B 40/04** (2013.01)

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