

Title (en)
Combined refrigerator/water heater unit.

Title (de)
Kombinierte Kühl- und Wasserheizungsanlage.

Title (fr)
Unité combinée de réfrigération et de chauffage d'eau.

Publication
EP 0059692 A2 19820908 (EN)

Application
EP 82830043 A 19820302

Priority
IT 6728881 A 19810303

Abstract (en)
The present invention relates to a refrigerator fitted with water heating means for collecting the heat dissipated on the condenser of the said appliance as well as means for transferring the heated water to a cistern of a normal electric water-heater. The said collecting means consist of a coil-shaped part of the condenser itself and a storage tank full of water containing the said coil-shaped part of the condenser. The transfer means consist of two water pipes, one supply and one pick-up, between the storage tank and cistern, a "T" fitting for connecting the storage tank and cistern pick-up pipes to the hot water pipe and a water flow regulating valve for only allowing water to flow into the storage tank from the cistern and not from the water mains supply pipe, so as to prevent sharp changes in temperature on the condenser which could impair operation of the appliance as well as to prevent cold water from getting into the hot water outlet pipe. The energy collected on an appliance fitted with the said heat collecting means is equivalent to consumption for operating the appliance itself solely as a refrigerator.

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F25B 29/00; **F24D 17/00**; **F24H 9/12**

IPC 8 full level
F24D 17/02 (2006.01); **F24H 9/12** (2006.01); **F25B 29/00** (2006.01)

CPC (source: EP)
F24D 17/02 (2013.01); **F24H 9/133** (2022.01); **F25B 29/003** (2013.01)

Cited by
CN102788687A; AT404985B; AT402112B; EP0618412A1; AT403857B; EP2420627A3; EP0115452A3; FR2539853A1; US9513046B2; US11262101B2

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