

Title (en)

System for reducing frost in a refrigerator.

Title (de)

Verfahren zur Verringerung von Reif in einem Kühlschrank.

Title (fr)

Système pour diminuer le givre dans un réfrigérateur.

Publication

EP 0644385 A1 19950322 (EN)

Application

EP 94306536 A 19940905

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- KR 930017703 A 19930904
- KR 930020810 A 19931008
- KR 19940008203 A 19940419
- KR 19940008216 A 19940419

Abstract (en)

A refrigerator has a freezing compartment (100), a cold storage compartment (110), and a refrigerating circuit (104, 112, 120) for refrigerating and circulating air to keep the two compartments at the required temperatures. The efficiency of the refrigerating circuit, which includes an evaporator (104) to refrigerate the air, is enhanced by reducing the moisture content of the circulated air before it is returned to the evaporator. In this respect, the air exiting both the freezing compartment (100) and the cold storage compartment (110) is directed to a return air duct (200) connected to deliver air to the evaporator (104). A partition (400) extends along the air duct such that air from the two compartments flows along opposite sides thereof in heat exchange relationship. To reduce the moisture content of the air, the partition (400) is made of material with a high thermal conductivity and/or incorporates a heater (403). <IMAGE> <IMAGE>

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Citation (search report)

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