Title (en)

Method for supplying cold to a consumer of cold.

Title (de)

Verfahren zur Versorgung eines Kälteverbrauchers mit Kälte.

Title (fr)

Procédé d'approvisionnement en froid d'un consommateur de froid.

Publication

EP 0348771 A2 19900103 (DE)

Application

EP 89111056 A 19890619

Priority

DE 3821910 A 19880629

Abstract (en)

In the conventional supply of cold to a cold consumer by an ice storage device and a liquid cooler, the generated cold is fed by means of intermediate circuits both to the ice storage device for charging it and to a cold-water circuit circulating through the cold consumer. To obtain the temperature gradient necessary for the functioning of the intermediate circuits, the evaporation temperature of the associated refrigerant circuits has to be reduced correspondingly, thereby impairing the efficiency. The cold is therefore transferred by direct heat exchange to the ice storage device (36) and to the cold-water circuit (66) in which the cold consumer (68) is inserted. This allows an increase in the evaporation temperature of the refrigerant and thus ensures an increase in the performance number and efficiency. <IMAGE>

Abstract (de)

Die Kälte wird durch direkten Wärmetausch an den Eisspeicher (36) und an den Kaltwasserkreislauf (66) abgegeben, in den der Kälteverbraucher (68) eingeschaltet ist.

IPC 1-7

F25B 5/00; F25D 16/00; F25D 17/02

IPC 8 full level

F25B 5/02 (2006.01); **F25D 16/00** (2006.01); **F25D 17/02** (2006.01)

CPC (source: EP)

F25B 5/02 (2013.01); **F25D 16/00** (2013.01); **F25D 17/02** (2013.01)

Cited by

US6053006A; DE19907250A1; DE9404320U1; DE9404319U1; EP1085277A3; DE9404321U1; EP0602911A1; EP0861406A4; EP0927861A1; US5894739A; CN104110926A; US6634182B2; WO2006021440A1; WO9902929A1

Designated contracting state (EPC)

AT CH DE LI

DOCDB simple family (publication)

EP 0348771 A2 19900103; **EP 0348771 A3 19910327**; DE 3821910 A1 19900104; DE 3821910 C2 19900412

DOCDB simple family (application)

EP 89111056 A 19890619; DE 3821910 A 19880629