

Title (en)

METHOD AND DEVICE FOR REFRIGERATING, ESPECIALLY FREEZING, GOODS

Title (de)

VERFAHREN UND VORRICHTUNG ZUM KÜHLEN, INSBESONDERE GEFRIEREN EINES KÜHLGUTES

Title (fr)

PROCEDE ET DISPOSITIF POUR REFRIGERER, EN PARTICULIER CONGELER, UN MATERIAU

Publication

EP 1005624 B1 20020508 (DE)

Application

EP 98949922 A 19980820

Priority

- DE 9802427 W 19980820
- DE 19736372 A 19970821

Abstract (en)

[origin: DE19736372A1] The device chills a freezer bag (2) between two plates (3, 4) of steel or copper with high heat capacity. A pneumatic cylinder (5) is connected to the top plate (3) by a piston rod (6) to press the top plate against the freezer bag with great force. The plates are chilled in a liquid nitrogen current or by pipes (7) running through the plates feeding liquid nitrogen. Heat transmission within the pipes is increased by coating the pipes' inner surface with a microporous film (8).

IPC 1-7

F25D 31/00

IPC 8 full level

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CPC (source: EP US)

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DOCDB simple family (publication)

DE 19736372 A1 19990225; AU 9620298 A 19990316; DE 19881222 D2 20001026; DE 59804073 D1 20020613; EP 1005624 A2 20000607; EP 1005624 B1 20020508; US 6393860 B1 20020528; WO 9910693 A2 19990304; WO 9910693 A3 19990527

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