

Title (en)

APPARATUS FOR CHILLING AND/OR FREEZING PRODUCTS

Title (de)

VORRICHTUNG ZUM KÜHLEN UND/ODER GEFRIEREN VON PRODUKTEN

Title (fr)

APPAREIL DE REFROIDISSEMENT OU/DE CONGÉLATION DE PRODUITS

Publication

EP 3343140 A1 20180704 (EN)

Application

EP 17173701 A 20170531

Priority

US 201662439537 P 20161228

Abstract (en)

In order to overcome the limitations and problems that earlier apparatus and methods have experienced, a cryogenic freezer apparatus (10) is proposed, said apparatus (10) comprising: - a housing (12); - a fluidized bed belt (14) movable within the housing (12); - a shroud (16) positioned within the housing (12) for providing a zone (18) above the belt (14), the shroud (16) angled outward (17) from the belt (14) within the housing (12); and - a least one blower (20) positioned within the housing (12) in fluid communication with the zone (18) and centrally located above the zone (18) and the shroud (16). A related method of moving cryogenic gas to a fluidized bed belt (14) in a freezer (10) is also proposed.

IPC 8 full level

F25D 13/06 (2006.01)

CPC (source: EP)

F25D 3/11 (2013.01); **F25D 13/06** (2013.01); **F25D 17/06** (2013.01); **F25D 2317/063** (2013.01); **F25D 2500/02** (2013.01)

Citation (search report)

- [X] EP 2269474 A2 20110105 - LINDE AG [DE]
- [X] FR 2979421 A1 20130301 - AIR LIQUIDE [FR]
- [X] GB 1515509 A 19780628 - JOWITT R

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

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