

Title (en)

Transfer device for a freeze drying plant

Title (de)

Transfervorrichtung für eine Gefriertrocknungsanlage

Title (fr)

Dispositif de transfert pour une installation de lyophilisation

Publication

**EP 2166297 A3 20101013 (DE)**

Application

**EP 09170577 A 20090917**

Priority

DE 202008012379 U 20080918

Abstract (en)

[origin: US2010070108A1] For realizing short loading periods with a flexible transfer means (10) for a freeze drying plant comprising at least one freeze drying station (12) and at least one loading station (14,16), wherein said the transfer means (10) comprises at least one supporting frame (18) having a loading area (22) and an electrically operated laminar flow means (28) for producing a laminar air flow (30) in the loading area (22), said the transfer means (10) comprises a lifting carriage (16) which is adapted to be mechanically connected with said the supporting frame (18) for lifting and moving said the supporting frame (18) and comprises a drive motor and a steering means.

IPC 8 full level

**F26B 5/06** (2006.01); **F26B 25/00** (2006.01)

CPC (source: EP US)

**F26B 5/06** (2013.01 - EP US); **F26B 25/001** (2013.01 - EP US); **F26B 25/063** (2013.01 - EP US)

Citation (search report)

- [I] EP 0618417 A1 19941005 - HULL CORP [US]
- [A] US 7032763 B1 20060425 - ZAKULA SR DANIEL BRIAN [US], et al
- [A] EP 1939114 A1 20080702 - AUTOMHA S R L [IT]

Designated contracting state (EPC)

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 SE SI SK SM TR

DOCDB simple family (publication)

**DE 202008012379 U1 20081224**; CN 101676660 A 20100324; EP 2166297 A2 20100324; EP 2166297 A3 20101013; EP 2166297 B1 20150826; ES 2553137 T3 20151204; US 2010070108 A1 20100318

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**DE 202008012379 U 20080918**; CN 200910173867 A 20090918; EP 09170577 A 20090917; ES 09170577 T 20090917; US 58601509 A 20090916