

Title (en)

Method and device for drying or concentrating substances

Title (de)

Verfahren und Vorrichtung zum Trocknen oder Konzentrieren von Stoffen

Title (fr)

Procédé et dispositif destinés à sécher ou concentrer des matières

Publication

EP 1830145 A3 20131218 (DE)

Application

EP 07102899 A 20070222

Priority

DE 102006009614 A 20060302

Abstract (en)

[origin: EP1830145A2] The procedure for drying/concentrating of materials such as food products, comprises subjecting the material in a pressure container to an atmosphere with pressure reduced to an ambient pressure, condensing the water evaporated from the material, and discharging the condensate. The material is subjected to a gas stream led into the circulation. The gas stream is supplied after contacting with the material to the condenser. The gas stream is brought into the condenser with a fluid nitrogen medium in thermal contact. The material and/or the gas stream are heated. An independent claim is included for a device for drying or condensing of materials.

IPC 8 full level

F26B 5/04 (2006.01); **F26B 21/08** (2006.01)

CPC (source: EP)

F26B 5/04 (2013.01); **F26B 21/086** (2013.01)

Citation (search report)

- [XY] US 5253597 A 19931019 - SWANSTROM CARL P [US], et al
- [Y] US 2004099612 A1 20040527 - HERBERT PAUL F [US], et al
- [Y] US 4584781 A 19860429 - PARKINSON MARTIN C [US], et al
- [X] US 5103578 A 19920414 - RICKARD ROBERT S [US]

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK RS

DOCDB simple family (publication)

EP 1830145 A2 20070905; EP 1830145 A3 20131218; DE 102006009614 A1 20070906

DOCDB simple family (application)

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