

Title (en)

FREEZE-DRYING APPARATUS HAVING MEANS CONSTITUTING AN ACTIVE THERMAL SCREEN IN BETWEEN THE FREEZE-DRYING SHELVES

Publication

EP 0317411 B1 19920812 (FR)

Application

EP 88402845 A 19881114

Priority

FR 8715880 A 19871117

Abstract (en)

[origin: EP0317411A1] The apparatus comprises freeze-drying shelves (12) arranged inside a freeze-drying enclosure, on which products or solutions to be freeze-dried, which can be contained in open receptacles, can be placed, and means for cooling and/or heating which are associated, preferably made in an incorporated manner, with said shelves (12), characterised in that means forming a thermal screen (14) are arranged between said thermal shelves (12) between the surface of the product to be freeze-dried and the heating and/or cooling elements associated with the shelves. <IMAGE>

IPC 1-7

F26B 5/06

IPC 8 full level

F26B 5/06 (2006.01)

CPC (source: EP US)

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Cited by

EP2450033A1; US6447701B1; WO9927315A1; WO2007066132A1; US8371039B2; US8544183B2

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