

Title (en)

A method for adapting the requirement of drying air in wood driers

Title (de)

Verfahren zur Anpassung des Trockenluftbedarfs in Holztrocknern

Title (fr)

Procédé d'adaptation des exigences de l'air de séchage dans les séchoirs à bois

Publication

EP 1950516 A3 20120118 (EN)

Application

EP 08150319 A 20080116

Priority

SE 0700200 A 20070126

Abstract (en)

[origin: EP1950516A2] The invention concerns a method for adapting the requirement for drying air in a wood dryer, whereby wood in the form of a package is placed into a drying chamber that is closed to the surrounding atmosphere and in which is maintained a water-containing atmosphere with a wet temperature, a dry temperature and the psychrometric difference that is associated with this by means of forced drying air that is caused to pass through the wood. In order to optimise the consumption of electricity during the drying process, the air speed of the forced drying air is regulated depending on the current water content of the wood or by a recorded reduction in the release of water from the wood, whereby monitoring of the current water content or the appearance of a reduced release of water takes place by measurements that are carried out during the drying process.

IPC 8 full level

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CPC (source: EP SE)

F26B 21/12 (2013.01 - EP SE); **F26B 25/22** (2013.01 - EP); **F26B 2210/16** (2013.01 - EP)

Citation (search report)

- [X] WO 9708504 A1 19970306 - UTEC SM AB [SE], et al
- [A] EP 0922919 A1 19990616 - STELLAC OY [FI]
- [A] US 4953298 A 19900904 - CARTER JOHN L [US], et al
- [A] US 5325604 A 19940705 - LITTLE ROBERT L [US]
- [A] US 5775003 A 19980707 - GOODWIN III THOMAS E [US]

Cited by

AT16621U3; CN105004172A; CN104515364A

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 MT NL NO PL PT RO SE SI SK TR

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DOCDB simple family (publication)

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