

Title (en)

METHOD FOR DYNAMIC CONTROL OF THE DRYING PERIOD IN A DRYING TUNNEL

Title (de)

VERFAHREN ZUR DYNAMISCHEN STEUERUNG DER TROCKNUNGSPERIODE IN EINEM TROCKNUNGSTUNNEL

Title (fr)

PROCÉDÉ POUR UNE COMMANDE DYNAMIQUE DE LA PÉRIODE DE SÉCHAGE DANS UN TUNNEL DE SÉCHAGE

Publication

EP 2160559 B1 20170628 (EN)

Application

EP 08741920 A 20080416

Priority

- SE 2008050430 W 20080416
- SE 0701024 A 20070426

Abstract (en)

[origin: WO2008133583A1] The invention concerns a method for the dynamic control of the drying period in a drying tunnel that works with an outwardly enclosed drying pathway (1) through which wood in the form of batches (4:2-4:n) is fed forwards at regular intervals, known as the "throughput time", such that a batch of wood (4:0) with its load of moist wood are fed into the pathway at the same time as a batch of dried wood (4:n) and with a moisture ratio (Tn) that has been achieved and that is located at the innermost extent of the drying pathway is fed out from the pathway. The method is characterised in: that the final moisture ratio (?n) for a batch of wood (4:n) located at the innermost extent of the pathway (1) is determined by measuring the moisture ratio of the batch of wood, that the measurement of moisture ratio is carried out directly in the drying pathway, that the final moisture ratio (?n) is compared with the target moisture ratio (Tn) for the batch of dried wood, that withdrawal is carried out if the final moisture ratio (?n) is less than or equal to the desired target moisture ratio (Tn) for the batch of wood.

IPC 8 full level

F26B 25/22 (2006.01); **F26B 15/12** (2006.01); **F26B 15/16** (2006.01); **F26B 21/04** (2006.01)

CPC (source: EP SE)

F26B 15/10 (2013.01 - SE); **F26B 15/12** (2013.01 - EP); **F26B 15/16** (2013.01 - EP SE); **F26B 15/18** (2013.01 - SE); **F26B 21/04** (2013.01 - EP); **F26B 25/22** (2013.01 - EP SE); **F26B 22/10/16** (2013.01 - EP)

Cited by

CN102538421A

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

DOCDB simple family (publication)

WO 2008133583 A1 20081106; EP 2160559 A1 20100310; EP 2160559 A4 20160113; EP 2160559 B1 20170628; SE 0701024 L 20081027

DOCDB simple family (application)

SE 2008050430 W 20080416; EP 08741920 A 20080416; SE 0701024 A 20070426