

Title (en)
METHOD FOR DRYING OF TIMBER USING WARM AIR

Title (de)
VERFAHREN ZUR HOLZTROCKNUNG MITTELS WARMLUFT

Title (fr)
PROCÉDÉ DE SÉCHAGE DE BOIS DE CONSTRUCTION AU MOYEN D'AIR CHAUD

Publication
EP 2984431 B1 20191016 (EN)

Application
EP 14782103 A 20140403

Priority
• SE 1350429 A 20130408
• SE 2014050409 W 20140403

Abstract (en)
[origin: WO2014168559A1] The invention concerns a method of drying of material, in particular timber, using warm air, where the drying process is divided into at least a first and a second subprocess (A, B), in series with each other, and the circulating flows (2) of the two subprocesses in the relevant drying chambers are conditioned to significantly different wet temperatures (TvA) and (TvB), respectively. In order to achieve a reduced energy input, the circulating air (2) in the first subprocess (A) is given a higher wet temperature (TvA) than the circulating air (2) in the second subprocess (B), and that heat in the circulating air (2) in the first subprocess (A) is recovered and transferred to the second subprocess (B).

IPC 8 full level
F26B 21/10 (2006.01); **F26B 15/12** (2006.01); **F26B 21/08** (2006.01)

CPC (source: EP SE)
F26B 3/04 (2013.01 - SE); **F26B 9/06** (2013.01 - EP); **F26B 15/12** (2013.01 - EP); **F26B 21/06** (2013.01 - SE); **F26B 21/08** (2013.01 - EP); **F26B 21/10** (2013.01 - EP); **F26B 23/002** (2013.01 - SE); **F26B 2015/003** (2013.01 - SE); **F26B 2210/16** (2013.01 - EP)

Citation (opposition)
Opponent : MÜHLBÖCK Kurt
• WO 0225192 A1 20020328 - WINDSOR ENGINEERING GROUP LTD [NZ], et al
• WO 2011149327 A1 20111201 - FOREST RES INST MALAYSIA [MY], et al
• DE 2941037 A1 19800430 - SVENSKA TRAEFORSKNINGSINST
• DE 4326877 C1 19941013 - BABCOCK BSH AG [DE]
• WO 2007147181 A1 20071227 - ANDRITZ TECH & ASSET MAN GMBH [AT], et al
• WO 2012045552 A1 20120412 - MCI MAN CT INNSBRUCK INTERNATIONALE HOCHSCHULE GMBH [AT], et al
• ANONYMOUS: "Datei:Diagramm Feuchtkugelttemperatur.jpg Wikipedia", WIKIPEDIA, 28 June 2020 (2020-06-28), XP055776478

Designated contracting state (EPC)
AL 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 RS SE SI SK SM TR

DOCDB simple family (publication)
WO 2014168559 A1 20141016; EP 2984431 A1 20160217; EP 2984431 A4 20161116; EP 2984431 B1 20191016; PL 2984431 T3 20200430; SE 1350429 A1 20141009; SE 537903 C2 20151117

DOCDB simple family (application)
SE 2014050409 W 20140403; EP 14782103 A 20140403; PL 14782103 T 20140403; SE 1350429 A 20130408