

Title (en)  
FIRE RETARDANT IMPREGNATION OF WOODEN PLATES

Title (de)  
FLAMMHEMMENDE IMPRÄGNIERUNG VON HOLZPLATTEN

Title (fr)  
IMPRÉGNATION IGNIFUGE DE PLAQUES EN BOIS

Publication  
**EP 3727771 A4 20211117 (EN)**

Application  
**EP 18893192 A 20181219**

Priority  
• DK PA201770962 A 20171220  
• DK 2018050377 W 20181219

Abstract (en)  
[origin: WO2019120421A1] The present invention relates to a system and method for very fast fire retardant impregnation of wooden plates with a chemical composition. The system comprises weighing systems, humidity sensors for performing measurement of humidity in the plates, drying modules for drying of the plates, a spraying device with a plurality of spray nozzles placed both under and over the plate for spraying with the chemical composition. With this very fast system, it is possible to carry out the impregnation of wooden plates at extremely high speed compared to previous impregnation systems.

IPC 8 full level  
**B27K 3/02** (2006.01); **B05D 7/06** (2006.01)

CPC (source: EP)  
**B05D 1/02** (2013.01); **B05D 3/0263** (2013.01); **B05D 7/06** (2013.01); **B27K 3/0214** (2013.01); **B27K 3/0228** (2013.01); **B27K 3/025** (2013.01); **B27K 3/166** (2013.01); **F26B 3/04** (2013.01); **F26B 3/30** (2013.01); **F26B 15/122** (2013.01); **B05B 7/32** (2013.01); **B05B 9/0423** (2013.01); **B05B 13/0207** (2013.01); **B05D 2252/04** (2013.01); **B27K 2240/30** (2013.01); **F26B 2210/14** (2013.01)

Citation (search report)  
• [X1] KR 20160026586 A 20160309 - YOO MYUNG SANG [KR]  
• [I1] WO 02081162 A1 20021017 - CHEMICAL SPECIALITIES INC [US], et al  
• [IY] JP 2006213030 A 20060817 - MISAWA HOMES CO  
• [Y] EP 3127670 A2 20170208 - FLOORING TECHNOLOGIES LTD [MT]  
• [Y] ANONYMOUS: "In-line Meters - Lignomat", LIGNOMAT MOISTURE MEASUREMENT, 2 March 2015 (2015-03-02), XP055620985, Retrieved from the Internet <URL:https://web.archive.org/web/20150302110205/http://www.lignomatusa.com/in-line-meters/> [retrieved on 20190911]  
• See references of WO 2019120421A1

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 2019120421 A1 20190627**; EP 3727771 A1 20201028; EP 3727771 A4 20211117; RU 2020123687 A 20220120

DOCDB simple family (application)  
**DK 2018050377 W 20181219**; EP 18893192 A 20181219; RU 2020123687 A 20181219