

Title (en)
CONSTRUCTION BOARD

Title (de)
BAUPLATTE

Title (fr)
PANNEAU DE CONSTRUCTION

Publication
EP 3283687 A1 20180221 (EN)

Application
EP 16764082 A 20160311

Priority
• US 201562132915 P 20150313
• CA 2016050274 W 20160311

Abstract (en)
[origin: WO2016145517A1] The present application provides wood fiberboard comprising wood fibers bound together with a binder polymer resin that imparts additional strength and moisture resistance. As well, the fiberboard incorporates a thermal fire suppressing inorganic expandable flake graphite and sodium silicate component to render the fiberboard to be non-combustible and fire resistant. As well, a manufacturing process for adding the inorganic graphite and polymer resin binder into the fiberboard and applying the silicate onto the fiberboard is provided.

IPC 8 full level
D21J 1/16 (2006.01); **D21J 1/08** (2006.01)

CPC (source: EP US)
D21F 9/00 (2013.01 - EP US); **D21J 1/08** (2013.01 - EP US); **D21J 1/16** (2013.01 - EP US); **D21J 1/20** (2013.01 - US)

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

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
WO 2016145517 A1 20160922; AU 2016232935 A1 20170928; CA 2979422 A1 20160922; EP 3283687 A1 20180221; EP 3283687 A4 20190605; JP 2018509322 A 20180405; MX 2017011800 A 20190923; US 2018066401 A1 20180308; US 2020283961 A1 20200910

DOCDB simple family (application)
CA 2016050274 W 20160311; AU 2016232935 A 20160311; CA 2979422 A 20160311; EP 16764082 A 20160311; JP 2017566174 A 20160311; MX 2017011800 A 20160311; US 201615557751 A 20160311; US 202016879289 A 20200520