

Title (en)
CONSTRUCTION BOARD

Title (de)
BAUPLATTE

Title (fr)
PANNEAU DE CONSTRUCTION

Publication
EP 3283687 A4 20190605 (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); **D21F 9/00** (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)

Citation (search report)
• [XY] EP 2208594 A1 20100721 - FRITZ EGGER GMBH & CO OG [AT]
• [XY] US 2004188046 A1 20040930 - CHANG TSAO [TW]
• [Y] US 4376674 A 19830315 - ALI MOHAMMAD H
• [Y] EP 2189571 A1 20100526 - NICHIIHA KK [JP]
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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

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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