Title (en)
BUILDING PANELS PROVIDED WITH A MECHANICAL LOCKING SYSTEM

Title (de)
BAUPLATTEN MIT EINEM MECHANISCHEN VERSCHLUSSSYSTEM

Title (fr)
PANNEAUX DE CONSTRUCTION MUNIS D'UN SYSTÈME DE VERROUILLAGE MÉCANIQUE

Publication
EP 3299539 A1 20180328 (EN)

Application
EP 17198982 A 20120814

Priority
- SE 1150741 A 20110815
- US 201161523584 P 20110815
- EP 12824331 A 20120814
- SE 2012050872 W 20120814

Abstract (en)
In accordance with the present inventive concept, there is provided building panels comprising a first building panel (1), a second building panel (1'), and a displaceable tongue (30) inserted into a sidewardly open displacement groove (40) provided at an edge of the first building panel. The displaceable tongue is configured to cooperate with a tongue groove (20) provided at an adjacent edge of the second building panel (1') for locking the edge and the adjacent edge vertically. Moreover, the displaceable tongue comprises a pulling extension (31) configured to cooperate with a pulling protrusion (21) formed at the adjacent edge such that the displaceable tongue (30) is pulled out from the displacement groove (40) and into the tongue groove (20) when the edges of said building panels are displaced vertically relative to each other. The displaceable tongue (30) is also configured to bend in a length direction of the displaceable tongue.

IPC 8 full level
E04F 15/02 (2006.01); **E04F 15/04** (2006.01)

CPC (source: EP)
E04F 15/02 (2013.01); E04F 2201/05 (2013.01); E04F 2201/0547 (2013.01)

Citation (search report)
[A] WO 2006043893 A1 20060427 - VAELINGE INNOVATION AB [SE], et al

Cited by
EP3807475A4

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 2013025164 A1 20130221; AU 2012295598 A1 20140123; AU 2012295598 B2 20170615; BR 112014002946 A2 20170301; BR 112014002946 A8 20180403; CA 2844393 A1 20130221; CA 2844393 C 20190903; CN 103732841 A 20140416; CN 103732841 B 20160921; EP 2744952 A1 20140625; EP 2744952 A4 20160518; EP 2744952 B1 20171108; EP 3299539 A1 20180328; EP 3299539 B1 20191106; EP 3623544 A1 20200318; EP 3623544 B1 20221005; JP 2014526004 A 20141002; JP 6184953 B2 20170823; KR 102058467 B1 20191223; KR 20140053262 A 20140507; MY 165233 A 20180314; PL 2744952 T3 20180430; PL 3299539 T3 20200331; RU 2014107916 A 20150927; RU 2597900 C2 20160920; UA 110987 C2 20160310

DOCDB simple family (application)
SE 2012050872 W 20120814; AU 2012295598 A 20120814; BR 112014002946 A 20120814; CA 2844393 A 20120814; CN 201280038811 A 20120814; EP 12824331 A 20120814; EP 17198982 A 20120814; EP 19206640 A 20120814; JP 2014525967 A 20120814; KR 20147005590 A 20120814; MY PI2013004578 A 20120814; PL 12824331 T 20120814; PL 17198982 T 20120814; RU 2014107916 A 20120814; UA A201402085 A 20120814