

Title (en)
MECHANICAL LOCKING SYSTEM FOR BUILDING PANELS

Title (de)
MECHANISCHES ARRETIERUNGSSYSTEM FÜR BAUPLATTEN

Title (fr)
SYSTÈME DE VERROUILLAGE MÉCANIQUE POUR PANNEAUX DE BÂTIMENT

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Application
EP 20192928 A 20120711

Priority

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- EP 12815189 A 20120711
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Abstract (en)

In accordance with the present inventive concept, there is provided building panels provided with a locking system for vertical locking of a first (1) and a second (1') building panel by a vertical displacement of the panels relative each other. A displaceable tongue (30) provided in a sidewardly open displacement groove (40) at an edge of the second building panel is configured to be displaced into a tongue groove (20) of the first building panel when a tongue pressing surface (32) provided on the displaceable tongue and a strip pressing surface (33) provided on a strip (8) of the first building panel are displaced vertically against each other.

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

CPC (source: CN EP RU)
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Citation (applicant)
WO 2006043893 A1 20060427 - VAELINGE INNOVATION AB [SE], et al

Citation (search report)

- [A] EP 1650375 A1 20060426 - VAELINGE INNOVATION AB [SE]
- [Y] EP 2270291 A1 20110105 - FLOORING TECHNOLOGIES LTD [MT]
- [XAY] WO 2011012104 A2 20110203 - SCHULTE GUIDO [DE], et al
- [A] DE 102009041297 A1 20110324 - SCHULTE GUIDO [DE]
- [Y] WO 2007141605 A2 20071213 - FLOORING IND LTD [IE], et al
- [Y] EP 1243721 A2 20020925 - AKZENTA PANELEE & PROFILE GMBH [DE]

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WO 2013012386 A1 20130124; AU 2012284623 A1 20140116; AU 2012284623 B2 20170323; AU 2012284623 C1 20170706; BR 112014000516 A2 20171031; BR 112014000516 A8 20180403; BR 112014000516 B1 20201208; CA 2841240 A1 20130124; CA 2841240 C 20210216; CN 103703197 A 20140402; CN 103703197 B 20160629; CN 105971223 A 20160928; CN 105971223 B 20181109; EP 2734684 A1 20140528; EP 2734684 A4 20150311; EP 2734684 B1 20160817; EP 3135838 A1 20170301; EP 3135838 B1 20200902; EP 3760812 A1 20210106; EP 3760812 B1 20231227; ES 2602317 T3 20170220; HU E030211 T2 20170428; JP 2014520987 A 20140825; JP 6005154 B2 20161012; KR 102083655 B1 20200302; KR 20140053168 A 20140507; MX 2014000388 A 20140321; MX 344603 B 20161220; MY 164102 A 20171130; PL 2734684 T3 20170228; PL 3135838 T3 20210823; PT 2734684 T 20161101; RS 55314 B1 20170331; RU 2014103804 A 20150827; RU 2016140240 A 20181213; RU 2016140240 A3 20200403; RU 2602850 C2 20161120; RU 2721838 C2 20200525; UA 114404 C2 20170612

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SE 2012050828 W 20120711; AU 2012284623 A 20120711; BR 112014000516 A 20120711; CA 2841240 A 20120711; CN 201280034259 A 20120711; CN 201610380081 A 20120711; EP 12815189 A 20120711; EP 16184205 A 20120711; EP 20192928 A 20120711; ES 12815189 T 20120711; HU E12815189 A 20120711; JP 2014521595 A 20120711; KR 20147003041 A 20120711; MX 2014000388 A 20120711; MY PI2013004452 A 20120711; PL 12815189 T 20120711; PL 16184205 T 20120711; PT 12815189 T 20120711; RS P20160953 A 20120711; RU 2014103804 A 20120711; RU 2016140240 A 20120711; UA A201401060 A 20120711