

1) Family number: 76959952 (US2019383030 AA)

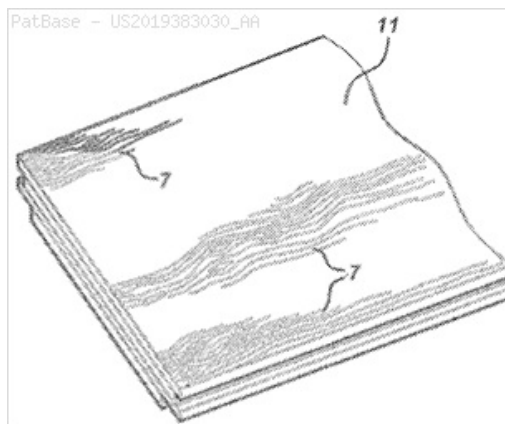
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Title: PANEL AND METHOD FOR MANUFACTURING PANELS

Abstract: The present invention relates to a panel and method for manufacturing panels for wall or floor coverings, comprising two or more thermoplastic layers including at least one thermoplastic substrate layer and at least one top layer comprising at least a decor layer, a print layer and a transparent wear layer, and wherein both said thermoplastic substrate layer and said top layer are provided with a reinforcement layer, wherein said transparent wear layer is provided with a relief.

Classifications:

International (IPC 8-9): B32B27/12 B32B27/30 B32B3/30 B32B33/00 B32B5/24 E04F13/077 E04F15/02 E04F15/10
CPC: B32B2038/0084 B32B2250/05 B32B2262/101 B32B2307/412 B32B2307/554 B32B2315/085 B32B2451/00 B32B2471/00 B32B2607/00 B32B27/12 B32B27/304 B32B3/30 B32B33/00 B32B37/153 B32B38/06 B32B38/145 B32B5/24 B32B5/245 E04F13/077 E04F13/0866 E04F13/0894 E04F13/18 E04F15/02033 E04F15/02038 E04F15/102 E04F15/105 E04F15/107



Family:

Publication number	Publication date	Application number	Application date
US2019383030 AA	20191219	US20190547704	20190822

Priority:

US20160309251 20161107 US20190547704 20190822

Probable Assignee: BERRYALLOC NV

Assignee(s): (std): BERRYALLOC NV

Inventor(s): (std): LOMBAERT POL ; VANDERHAEGEN TIM ; WYSEUR MATTHIAS

2) Family number: 60746562 (US2017058537 AA)

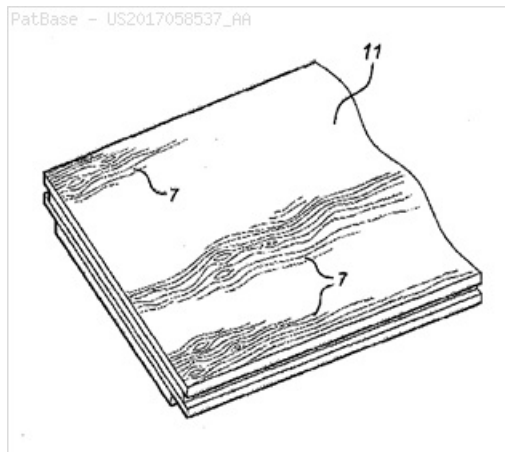
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Title: PANEL AND METHOD FOR MANUFACTURING PANELS

Abstract: The present invention relates to a panel and method for manufacturing panels for wall or floor coverings, comprising two or more thermoplastic layers including at least one thermoplastic substrate layer and at least one top layer comprising at least a decor layer, a print layer and a transparent wear layer, and wherein both said thermoplastic substrate layer and said top layer are provided with a reinforcement layer, wherein said transparent wear layer is provided with a relief.

Classifications:

International (IPC 8-9): B32B27/12 B32B27/30 B32B3/30 B32B33/00 B32B37/00 B32B37/15 B32B38/00 B32B38/06 B32B5/24 E04F13/077 E04F15/02 E04F15/10
CPC: B32B2038/0084 B32B2250/05 B32B2262/101 B32B2307/412 B32B2307/554 B32B2315/085 B32B2451/00 B32B2471/00 B32B2607/00 B32B27/12 B32B27/304 B32B3/30 B32B33/00 B32B37/153 B32B38/06 B32B38/145 B32B5/24 B32B5/245 E04F13/077 E04F15/02033 E04F15/102 E04F15/105 E04F15/107
US: 1/1 428/172



Family:

Publication number	Publication date	Application number	Application date
EP3140121 A1	20170315	EP20150729228	20150507
US10392813 BB	20190827	US20150309251	20150507
US2017058537 AA	20170302	US20150309251	20150507
WO15170274 A1	20151112	WO20151B53329	20150507

Priority:

BE20140000327 20140507 WO2015IB53329 20150507

Probable Assignee: BERRYALLOC NV

Assignee(s): (std): BERRY ALLOC NV

Inventor(s): (std): LOMBAERT POL ; VANDERHAEGEN TIM ; WYSEUR MATTHIAS

Agent(s): BRANTS JOHAN PHILIPPE EMILE; BRANTSANDPATENTS BVBA; NARASIMHAN MEERA P; WRAY JAMES CREIGHTON

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

3) Family number: 65267694 (US2019153734 AA)

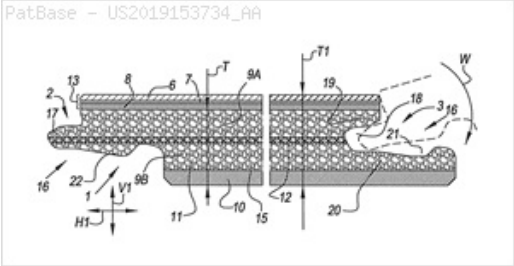
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Title: METHOD FOR MANUFACTURING FLOOR PANELS AND FLOOR PANEL FOR FORMING A FLOOR COVERING

Abstract: Method for manufacturing floor panels, where the floor panels include a carrier on the basis of thermoplastic material and a top layer provided on the carrier; and where the method further includes at least the steps of strewing the thermoplastic material and consolidating the strewn thermoplastic material; where the thermoplastic material is strewn as a dry-blend.

Classifications:

International (IPC 8-9): B29C43/48 B29C70/50 B32B37/00 B32B37/10 B32B37/24 B32B38/00 B32B5/20 B32B5/24 C08J9/06 E04F15/10 CPC: B27N3/002 B27N3/24 B29C2043/483 B29C43/28 B29C43/48 B29C44/30 B29C44/321 B29C70/506 B29K2027/06 B29K2105/048 B29L2031/732 B32B2038/0084 B32B2262/101 B32B2264/067 B32B2264/104 B32B2266/0235 B32B2307/412 B32B2307/414 B32B2307/732 B32B2317/16 B32B2471/00 B32B2607/00 B32B27/065 B32B27/08 B32B27/304 B32B27/32 B32B27/40 B32B3/04 B32B3/06 B32B37/04 B32B37/1027 B32B37/1036 B32B37/24 B32B38/14 B32B5/20 B32B5/245 B32B5/32 B32B7/02 B32B7/12 C08J9/06 E04F15/105 E04F15/107 US: 1/1



Family:

Publication number	Publication date	Application number	Application date
AU2016322079 AA	20170323	AU20160322079	20160913
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CA2996024 AA	20180219	CA20162996024	20160913
CN108025544 A	20180511	CN201680052882	20160913
EP3349987 A1	20180725	EP20160790426	20160913
EP3459736 A2	20190327	EP20180194829	20160913
EP3459736 A3	20190626	EP20180194829	20160913
EP3640029 A2	20200422	EP20190216604	20160913
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KR20180051552 A	20180516	KR20187009183	20160913
RU2018113290 A	20191016	RU20180113290	20160913
RU2018113290 A3	20200429	RU20180113290	20160913
US2019153734 AA	20190523	US20160759001	20160913
WO17046693 A1	20170323	WO20161B55434	20160913

Priority:

BE20150005572 20150914 WO2016IB55434 20160913 EP20160790426 20160913
RU20180113290 20160913

Probable Assignee: IVC BVBA

Assignee(s): (std): IVC BVBA ; IVC N V

Assignee(s): AJVISI BVBA ; BOSSUYT FILIP ; IVC有限公司 ; VAN VLASSENRODE KRISTOF ; АЙВИСИ БВБА ; 아이브이씨 비브이비에이

Inventor(s): (std): BOSSUYT FILIP ; BOSSUYT FLP ; VAN VLASSENRODE KRISTOF ; VAN VLASSENRODE KRSTOF

Inventor(s): BOSSEJT FILIP ; F 博叙 ; F 博叙 ; K 范维拉森若德 ; K 范维拉森若德 ; БОССЕЙТ ФИЛИП ; ВАН ВЛАССЕНРОДЕ КРИСТОФ ; 보사위트 필립 ; 판 플라센로더 크리스토프

Agent(s): DAVIES COLLISON CAVE PTY LTD; ROBIC; SCHACHT BENNY ET AL; SCHACHT BENNY MARCEL CORNEEL; VAN STEENLANDT WIM AUGUST MARIA; YURIDICHESKAYA GORODISSKIY I PARTNERY OOO FA; ЮРИДИЧЕСКАЯ ФИРМА ГОРОДИССКИЙ И ПАРТНЕРЫ ООО; 中国国际贸易促进委员会专利商标事务所 11038; 譚襄; 특허법인코리아나

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KM KN KP KR KW KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

4) Family number: 70489286 (US2020016799 AA)

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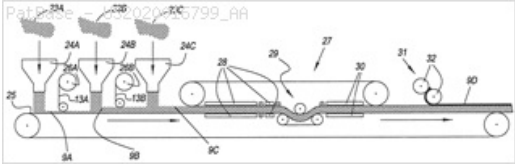
Title: METHOD OF MANUFACTURING A SUBSTRATE FOR A FLOOR PANEL

Abstract: Method for manufacturing a single- or multi-layered substrate (9), which is suitable for a floor panel (1), wherein, for forming a substrate layer (9A-9B-9C), thermoplastic material (23A-23B-23C) is strewn, for example, onto a transport device (25), and this strewn thermoplastic material is consolidated under the influence of pressure and/or heat, preferably in a press device (27), characterized in that the thermoplastic material (23A-23B-23C) to be strewn comprises micronized

material.

Classifications:

International (IPC 8-9): B27N3/24 B29C43/00 B29C43/28 B29C43/48 B29C44/30 B29C44/32 B29C70/50 B29K105/00 B29K105/04 B29K427/06 B29L31/00
CPC: B27N3/14 B27N3/18 B27N3/24 B27N7/005 B29C43/003 B29C43/28 B29C43/48 B29C44/30 B29C44/329 B29K2027/06 B29K2105/04 B29K2105/251 B29K2309/08 B29L2031/732 B30B5/06 B44C5/04 E04F13/185 E04F15/02038 E04F15/105 E04F15/107 E04F2201/0115 E04F2201/0153 E04F2290/041 B27N3/002 B29C2043/483 B29C70/506 B29K2105/048 B29K2427/06



Family:

Publication number	Publication date	Application number	Application date
BE1024909 AB	20180808	BE20170005429	20170615
BE1024909 BB	20180816	BE20170005429	20170615
CN110167729 A	20190823	CN201880006553	20180108
EP3568272 A1	20191120	EP20180704589	20180108
KR20190104567 A	20190910	KR20197022777	20180108
US2020016799 AA	20200116	US20180471701	20180108
WO18130924 A1	20180719	WO20181B50100	20180108

Priority:

US20170444951P 20170111 BE20170005429 20170615 WO2017BE05429 20170615
WO20181B50100 20180108 US20180471701 20180108

Probable Assignee: IVC BVBA

Assignee(s): (std): IVC BVBA

Assignee(s): IVC有限公司 ; 아이브이씨 비브이비에이

Inventor(s): (std): BOSSUYT FILIP ; VAN VLASSENRODE KRISTOF

Inventor(s): F 博叙 ; F-博叙 ; K 范维拉森若德 ; K-范维拉森若德 ; 보사위트 필립 ; 판 플라센로데 크리스토프

Agent(s): SCHACHT BENNY ET AL; VAN STEENLANDT WIM AUGUST MARIA; 中国国际贸易促进委员会专利商标事务所 11038; 譚冀; 특허법인코리아나

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DJ DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JO JP KE KG KH KM KN KP KR KW KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

5) Family number: 49950434 (US2013062006 AA)

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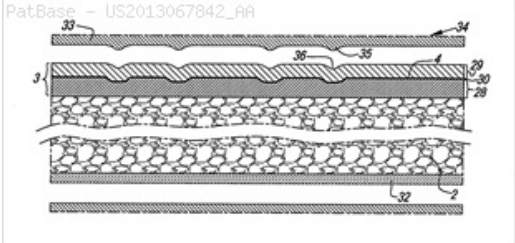
Title: PANEL AND METHODS FOR MANUFACTURING PANELS

Abstract: A panel may include at least a substrate and a top layer provided on the substrate. The top layer may include a vinyl-based synthetic material layer. The substrate may be a wood-based substrate. A primer may be provided between the substrate and the vinyl-based synthetic material layer.

Classifications:

International (IPC 8-9): A47B96/20 B27F1/06 B27M3/00 B27M3/04 B27N1/00 B27N3/04 B27N7/00 B29C47/06 B29C48/21 B32B1/08 B32B17/02 B32B17/04 B32B17/10 B32B21/02 B32B21/08 B32B27/00 B32B27/06 B32B27/08 B32B27/20 B32B27/30 B32B27/32 B32B27/40 B32B27/42 B32B3/06 B32B3/12 B32B37/02 B32B37/06 B32B37/10 B32B37/15 B32B37/16 B32B37/22 B32B38/00 B32B38/06 B32B38/14 B32B5/14 B32B5/18 B32B7/00 B32B7/02 B32B7/12 B41M1/26 B44C1/10 B44C1/24 B44C5/00 B44C5/04 B44F7/00 B44F9/00 B44F9/02 E04B1/61 E04B2/00 E04B5/00 E04C1/00 E04C2/20 E04C2/30 E04C2/38 E04C2/40 E04C3/00 E04C3/30 E04F13/08 E04F13/18 E04F15/02 E04F15/024 E04F15/04 E04F15/10 E04F15/18 E04F15/22

International (IPC 1-7): B27N7/00 B32B21/02 B32B21/08 B32B27/06 B32B27/30 B32B37/02 B32B38/14 B32B5/18 B32B7/02 B44C1/24 B44C5/04 E04F13/08 E04F15/02 E04F15/04 E04F15/10
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Family:

Publication number	Publication date	Application number	Application date
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BE1019351 AF	20120605	BE20100000323	20100527
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EP3690165 A1	20200805	EP20200163598	20110428
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PL2591183 T3	20180430	PL20110743353T	20110621

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PT3296101 T	20200515	PT20170192468T	20110428
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US10094123 BB	20181009	US20180964399	20180427
US10100533 BB	20181016	US20180964142	20180427
US10190323 BB	20190129	US20180033494	20180712
 US10208490 BB	20190219	US20180972633	20180507
US10214921 BB	20190226	US20180972710	20180507
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Priority:

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US20200796208	20200220	US20200796213	20200220	US20200796217	20200220
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Probable Assignee: FLOORING IND SARL LTD

Assignee(s): (std): CAPPELLE MARK ; CLEMENT BENJAMIN ; DEVOS PIETER ; FLOORING IND LTD S A R L ; FLOORING IND SARL LTD ; MAESEN CHRISTOPHE ; MEERSSEMAN LAURENT ; SEGAERT MARTIN ; THIERS BERNARD ; VANHASTEL LUC

Assignee(s): FLOORING IND LTD ; FLOORING INDUSTRIES LIMITED S A R L ; RIEKE PACKAGING SYSTEMS LTD ; 地板工业有限公司 ; 地板材料工业有限公司 ; 地板有限责任公司 ; 플로어링 인터스트리즈 리미티드 에스에이알엘

Inventor(s): (std): CAPPELLE MARK ; CLEMENT BENJAMIN ; DEVOS PIETER ; MAESEN CHRISTOPHE ; MEERSSEMAN LAURENT ; SEGAERT MARTIN ; THIERS BERNARD ; VANHASTEL LUC

Inventor(s): BENJAMIN CLEMENT ; BERNARD THIERS ; CHRISTOPHE MAESEN ; LAURENT MEERSSEMAN ; LUC VANHASTEL ; MARTIN SEGAERT ; 伯纳尔德 提埃斯 ; 克里斯多夫 米尔森 ; 劳伦 梅尔瑟曼 ; 卢克 范哈斯特 ; 卢克·范哈斯特 ; 本杰明 克莱蒙特 ; 洛朗 梅尔瑟曼 ; 洛朗·梅尔瑟曼 ; 马丁 施加尔特 ; 메르세망 로랑 ; 메센 크리스토프 ; 메젠 크리스토프 ; 세게르프 마르탱 ; 클레망 벤자맹 ; 티에르 베르나르

Agent(s): CAPITOL CITY TECHLAW ; ELZABURU SLP ELZABURU SLP ; ROBIC ; SCHACHT BENNY ET AL ; SCHACHT BENNY MARCEL CORNEEL ; UGUR GUERSAD YALCINER ; VAN HOOYDONCK GUY ET AL ; VAN STEENLANDT WIM AUGUST MARIA ; WORKMAN NYDEGGER ; 余刚 ; 北京康信知识产权代理有限公司 11240 ; 北京路浩知识产权代理有限公司 11002 ; 张晶 ; 李静 ; 王莹 ; 经志强 ; 马强 ; 특허법인코리아나

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PE PG PH PL PT QA RO RS RU RW SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

6) Family number: 69743383 (US2019292793 AA)

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Title: FLOOR PANEL AND METHOD FOR MANUFACTURING A FLOOR PANEL

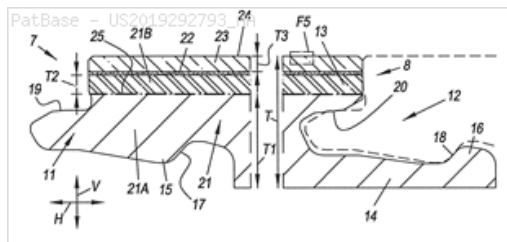
Abstract: Floor panel with a substrate, including thermoplastic material, a decor provided thereon, and, on at least one pair of opposite edges, coupling parts realized at least partially from the substrate. The coupling parts allow to effect a mechanical locking between two of floor panels, where the substrate includes a rigid substrate layer of thermoplastic material, and a glass fiber layer is present in the floor panel.

Classifications:

International (IPC 8-9): B29C70/08 B32B17/02 B32B27/06 B32B27/08 B32B27/20 B32B27/22 B32B27/30 B32B5/02 B32B5/16 B32B5/18 B32B5/24 B44C5/04 E04F15/02 E04F15/10

International (IPC 1-7): B29C70/08 B32B27/30 B32B5/02 B32B5/16 B32B5/18 E04F15/10

CPC: B29C70/08 B29C70/086 B29D99/0057 B29K2027/06 B29K2105/04 B29K2309/08 B29L2031/732 B32B2262/101 B32B2264/0242 B32B2266/0235 B32B2419/04 B32B2471/00 B32B27/065 B32B27/30 B32B27/304 B32B5/02 B32B5/022 B32B5/024 B32B5/16 B32B5/18 B32B5/24 B44C5/0407 E04F15/02038 E04F15/105 E04F15/107 E04F2201/0146 E04F2201/0153 E04F2201/0552 E04F2290/042 B32B2607/00 B32B27/22 B32B17/02 B32B27/08 B32B27/20



Family:

Publication number	Publication date	Application number	Application date
BE1024723 AB	20180606	BE20160005868	20161122
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BE1024734 AB	20180611	BE20160005869	20161122
BE1024734 BB	20180619	BE20160005869	20161122
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BR112019009389 A2	20190723	BR20191109389	20171103
CA3040624 AA	20190415	CA20173040624	20171103
CA3040811 AA	20190416	CA20173040811	20171103
CN110023573 A	20190716	CN201780069578	20171103
CN110036161 A	20190719	CN201780069726	20171103
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EA201991159 A1	20190930	EA20190091159	20171103
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EP3538721 A1	20190918	EP20170805267	20171103
IN201917016236 A	20190802	IN201917016236	20190424
IN201937018527 A	20190628	IN201937018527	20190509
KR20190084075 A	20190715	KR20197016130	20171103
KR20190085007 A	20190717	KR20197016129	20171103
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US2020048915 AA	20200213	US20170345865	20171103
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WO18087638 A1	20180517	WO20171B56856	20171103

Priority:

US20160420094P 20161110 BE20160005869 20161122 BE20160005868 20161122
WO20171B56856 20171103 WO20171B56855 20171103 US20170345855 20171103
US20170345865 20171103

Probable Assignee: IVC BVBA

Assignee(s): (std): IVC BVBA

Assignee(s): BOSSUYT JOCHEN ; BRUSSEEL PAUL ; IVC有限公司 ; VAN VLASSENRODE KRISTOF ; VANHULLE NICK ;
АЙВИСИ БББА ; 아이브이씨 비브이비에이

Inventor(s): (std): BOSSUYT JOCHEN ; BRUSSEEL PAUL ; VAN VLASSENRODE KRISTOF ; VANHULLE NICK ; VANHULLE
NICK FLORENT MARIANUS

Inventor(s): J 博叙 ; JOCHEN BOSSUYT ; J-博叙 ; K 范维拉森若德 ; KRISTOF VAN VLASSENRODE ; K-范维拉森若德 ; N 范
胡勒 ; NICK VANHULLE ; N-范胡勒 ; P 布鲁塞尔 ; PAUL BRUSSEEL ; P-布鲁塞尔 ; БОССЭЙТ, ЙОХЕН ;
БРЮССЕЛ, ПАУЛ ; ВАН ВЛАССЕНРОДЕ, КРИСТОФ ; ВАНХЮЛЛЕ, НИК ; 보사위트 요헨 ; 브뤼셀 폴 ; 판 플라
센로데 크리스토프 ; 판힐레 닉

Agent(s): ROBIC ; SCHACHT BENNY ET AL ; VAN STEENLANDT WIM AUGUST MARIA ; 中国国际贸易促进委员会专利商标
事务所 11038 ; 譚冀 ; 특허법인코리아나

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR
CU CY CZ DE DJ DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU
ID IE IL IN IR IS IT JO JP KE KG KH KM KN KP KR KW KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME
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SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA
ZM ZW

7) Family number: 62699440 (US2017342287 AA)

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Title: AQUEOUS INKJET INKS

Abstract: An aqueous inkjet ink contains: a) a colour pigment; b) an alkoxyated fluorosurfactant; and c) an ethoxylated
oligomer having a molecular weight smaller than 400; and has a static surface tension at 25 degrees centigrade of no more
than 28 mN·m; and a viscosity between 5 and 12 mPa·s at 32 degrees centigrade at a shear rate of 1,000 s⁻¹.

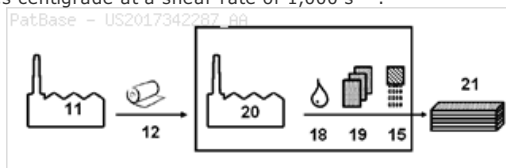
Classifications:

International (IPC 8-9): B41J2/01 C09D11/033 C09D11/102

C09D11/322 C09D11/38

CPC: B41J2/01 C09D11/033 C09D11/102 C09D11/322 C09D11/38

US: 1/1 428/207



Family:

Publication number	Publication date	Application number	Application date
■ CN107001831 A	20170801	CN201580069111	20151208
■ DE602014026132 D1	20180628	DE201460026132T	20141216
■ EP3034572 A1	20160622	EP20140198252	20141216
■ EP3034572 B1	20180530	EP20140198252	20141216
■ ES2685005 T3	20181005	ES20140198252T	20141216
■ IN201717020610 A	20171124	IN201717020610	20170613
■ IN316016 B	20190719	IN201717020610	20170613
■ PL3034572 T3	20181130	PL20140198252T	20141216
■ US10119043 BB	20181106	US20150535070	20151208
■ US2017342287 AA	20171130	US20150535070	20151208
■ WO16096527 A1	20160623	WO2015EP78920	20151208

Priority:

EP20140198252 20141216 WO2015EP78920 20151208

Probable Assignee: AGFA GEVAERT NV

Assignee(s): (std): AGFA GEVAERT ; AGFA GEVAERT NV ; AGFA GRAPHICS NV ; AGFA NV

Assignee(s): 爱克发印艺公司

Inventor(s): (std): DE MONDT ROEL ; VAN AERT HUBERTUS

Inventor(s): H.范亚尔特 ; R.德蒙德特

Agent(s): KEATING AND BENNETT LLP ; STRIJCKERS HANS ; STRIJCKERS HANS LOUIS P ; TEMINO IGNACIO ; 中国
专利代理(香港)有限公司 72001 ; 徐晶 ; 李炳爱

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR
CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID
IE IL IN IR IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN
MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG
SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

8) Family number: 54820047 (US2013273244 AA)

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Title: METHOD FOR PRODUCING A BUILDING PANEL

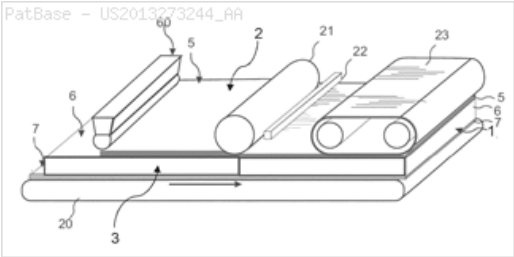
Abstract: A method for producing a building panel. The method includes forming a mix (2) including wood particles (14), a solvent, a binder (19) and optionally at least one additive (15), wherein the binder (19) and optionally said at least one additive (15) are homogenously distributed in the mix (2) by means of the solvent and wherein the binder (19) impregnates the wood particles (14), drying the mix (2), applying the mix (2) on a substrate (3), and forming a layer (5) by applying heat and pressure to the mix (2).

Classifications:

International (IPC 8-9): B05D1/12 B05D1/36 B05D3/12 B27N7/00 B32B21/02 B32B21/10 B32B3/06 B44C5/04 E04B1/00 E04F15/00 E04F15/02 E04F15/10

CPC: B44C5/0476 E04F15/00 E04F15/102 E04F15/107 B27N7/005 B32B21/02 B32B21/10 B32B2260/025 B32B2260/046 B32B2264/067 B32B2264/102 B32B2307/4026 B32B2307/412 B32B2307/414 B32B2419/06 B32B2471/00 B32B2607/00 B32B3/06 E04B1/00

US: 1/1 427/180 427/201 427/202 427/261 427/271 427/277 427/370



Family:

Publication number	Publication date	Application number	Application date
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HR20182168 T1	20190222	HR20180002168	20181220
IN07285CN2014 A	20160701	IN2014CN07285	20140930
IN316956 B	20190802	IN2014CN07285	20140930
PL2828101 T3	20190329	PL20130711001T	20130314
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WO13139681 A1	20130926	WO2013EP55293	20130314

Priority:

SE20120050259 20120319 US20120612672P 20120319 WO2013EP55293 20130314
CN201380012808 20130314 EP20130711001 20130314 US20130804355 20130314
US20140553196 20141125

Probable Assignee: CERALOC INNOVATION BELGIUM BVBA

Assignee(s): (std): CERALOC INNOVATION BELGIUM ; CERALOC INNOVATION BELGIUM BVBA ; JACOBSSON JAN ; PERSSON HANS ; RITTINGE RICKARD ; VAELINGE INNOVATION AB ; VALINGE INNOVATION AB ; VELINGE INNOVEJSHN AB ; VETTER GEORG

Assignee(s): VALINGE INNOVATION ABPRASTAVAGEN 513SE-263 65VIKENSE ; VLINGE INNOVATION AB ; VÅLINGE INNOVATION AB ; ВЕЛИНГЕ ИННОВЕЙШН АБ ; 瓦林格创新股份有限公司

Inventor(s): (std): GEORG VETTER ; HANS PERSSON ; JACOBSSON JAN ; JAKOBSSON JAN ; JAN JACOBSSON ; PERSSON HANS ; PERSSON KHANS ; RICKARD RITTINGE ; RITTINGE RICKARD ; RITTINGE RIKARD ; VETTER GEORG

Inventor(s): G 维特尔 ; G·维特尔 ; H 佩尔松 ; H·佩尔松 ; J 雅各布松 ; JACOBSSON JANSE ; J·雅各布松 ; PERSSON HANSSE ; R 里廷格 ; RITTINGE RICKARDSE ; R·里廷格 ; VETTER GEORGSE ; BETTER GEOPF ; ПЕРССОН ХАНС ; РИТТИНГЕ РИКАРД ; ЯКОБССОН ЯН

Agent(s): AYLIN SENER; BUCHANAN INGERSOLL AND ROONEY PC; FETHERSTONHAUGH AND CO; SMART AND BIGGAR IP AGENCY CO; WESTEMAN MARIA; 刘金辉; 北京市中咨律师事务所 11247; 肖威

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

9) Family number: 59510031 (EP2883712 A1)

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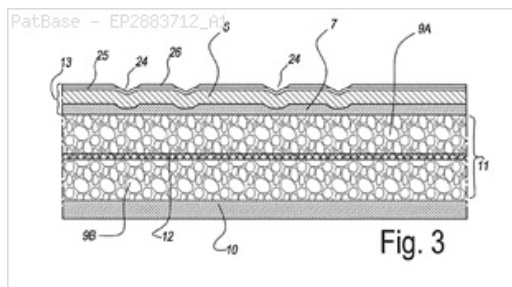
Title: FLOOR COVERING AND METHOD FOR MANUFACTURING A FLOOR COVERING

Abstract: Floor covering with at least a substrate layer (9A), a decor layer (7) and a transparent wear layer (6), wherein a relief is realized in said wear layer (6), wherein this relief comprises recesses (24), characterized in that said transparent wear layer (6) comprises at least two lacquer layers (25-26), namely a first lacquer layer (25) located at least on the bottom of at least one of said recesses (24), and a second lacquer layer which is interrupted at the location of the recess (24) concerned. The invention further also comprises a method for manufacturing such floor covering.

Classifications:

International (IPC 8-9): B41M7/00 B44C3/02 B44F7/00 E04F15/02 E04F15/10

CPC: B44C1/24 B44C5/04 B44F1/02 E04F15/02038 E04F15/02161 E04F15/105 E04F15/107 E04F2201/0153



Family:

Publication number	Publication date	Application number	Application date
EP2883712 A1	20150617	EP20140195311	20141128
EP2883712 B1	20200819	EP20140195311	20141128

Priority:

BE20130000824 20131210

Probable Assignee: UNILIN BVBA

Assignee(s): (std): UNILIN BVBA

Inventor(s): (std): SEGAERT MARTIN

Agent(s): SCHACHT BENNY MARCEL CORNEEL

Designated states: AL AT BA BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC ME MK MT NL NO PL PT RO RS SE SI SK SM TR

10) Family number: 72475748 (WO18229649 A1)

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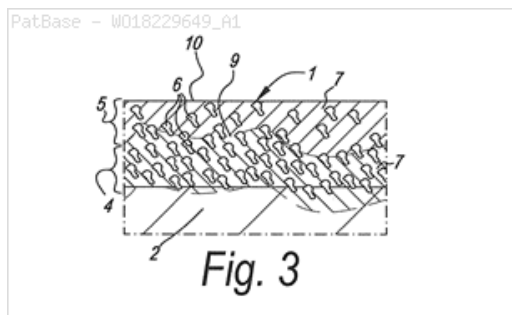
Title: METHOD FOR MANUFACTURING INKJET PRINTABLE PAPER OR FOIL FOR USE AS A DECOR PAPER OR FOIL

Abstract: Method for manufacturing paper or thermoplastic foil or vitrimeric foil printable with an inkjet printer for use as a decor paper, respectively decor foil in a laminate or laminated panel, wherein the method at least comprises the following steps: - the step of providing a paper layer (1), respectively a foil; - the step of coating at least one side of said paper layer (1), respectively of said foil, with an inkjet receiver coating (3) comprising at least pigment (6) and binder (7); characterized in that said inkjet receiver coating (3) further comprises an ink reactive compound. The invention also relates to the papers and foils obtained, as well as to method of manufacturing panels wherein the paper (1) or foil is provided with a printed pattern and used as a decor in the panels.

Classifications:

International (IPC 8-9): B41M5/50 B41M5/52 B44C5/04

CPC: B41M5/506 B41M5/52 B41M5/5218 B41M5/5236 B41M5/5245 B41M5/5254 B41M5/5281 B44C5/04



Family:

Publication number	Publication date	Application number	Application date
CA3065964 AA	20191203	CA20183065964	20180612
CN110997342 A	20200410	CN201880052682	20180612
EA202090038 A1	20200413	EA20200090038	20180612
EP3415337 A1	20181219	EP20170176082	20170614
EP3638511 A1	20200422	EP20180733347	20180612
WO18229649 A1	20181220	WO20181854239	20180612

Priority:

EP20170176082 20170614 WO20181854239 20180612

Probable Assignee: UNILIN BVBA

Assignee(s): (std): UNILIN BVBA

Assignee(s): CLEMENT BENJAMIN ; IDE MATTHIAS ; LEDEGEN SAM ; ЮНИЛИН, БВБА ; 尤尼林有限公司

Inventor(s): (std): CLEMENT BENJAMIN ; IDE MATTHIAS ; LEDEGEN SAM

Inventor(s): ИДЕ, МАТТИАС ; КЛЕМАН, БЕНЖАМЕН ; ЛЕДЕГЕН, СЭМ ; 本杰明 克莱门特 ; 本杰明·克莱门特 ; 萨姆 莱德根 ; 萨姆·莱德根 ; 马蒂亚斯 艾德 ; 马蒂亚斯·艾德

Agent(s): CORRADINI LORENZO; ROBIC; SCHACHT BENNY ET AL; SCHACHT BENNY MARCEL CORNEEL; 北京康信知识产权代理有限公司 11240; 殷爽

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DJ DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JO JP KE KG KH KM KN KP KR KW KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

Title: MANUFACTURING OF DECORATIVE SURFACES BY INKJET

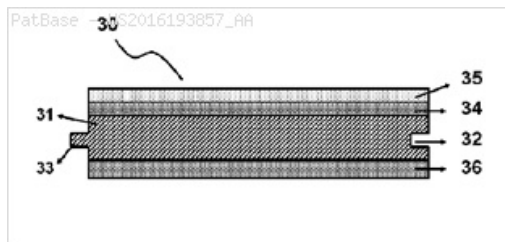
Abstract: A method for manufacturing decorative surfaces includes the steps of inkjet printing a colour pattern with one or more aqueous inkjet inks including a polyurethane based latex binder; impregnating a paper substrate with a thermosetting resin; and heat pressing the thermosetting resin impregnated paper substrate carrying the inkjet printed colour pattern into a decorative surface.

Classifications:

International (IPC 8-9): B32B37/10 B32B38/00 B41J11/00 B41J2/01 B41M5/00 B41M5/28 B41M5/52 B41M7/00 B44C5/04 E04B1/61 E04F13/08 E04F15/02

CPC: B32B2260/028 B32B2260/046 B32B2419/04 B32B2479/00 B32B2607/00 B32B37/10 B32B38/145 B41J11/0015 B41J2/01 B41M5/00 B41M5/0011 B41M5/5263 B41M7/0027 B41M7/0045 B41M7/0054 E04B1/54 E04B1/6125 E04F13/0871 E04F13/0894 E04F15/02038

US: 1/1 347/102 52/309.13 52/311.1



Family:

Publication number	Publication date	Application number	Application date
AU2014339235 AA	20160211	AU20140339235	20141010
AU2014339235 BB	20180809	AU20140339235	20141010
AU2014339299 AA	20160218	AU20140339299	20140227
AU2014339299 BB	20180809	AU20140339299	20140227
BR112016008925 A2	20170801	BR20161108925	20140227
BR112016008927 A2	20170801	BR20161108927	20141010
CA2919112 AA	20160121	CA20142919112	20141010
CA2919367 AA	20160126	CA20142919367	20140227
CN105636795 A	20160601	CN201480058206	20140227
CN105636795 B	20190409	CN201480058206	20140227
CN105916698 A	20160831	CN201480058201	20141010
CN105916698 B	20190705	CN201480058201	20141010
DE602013033282 D1	20180322	DE201360033282T	20131022
EP2865527 A1	20150429	EP20130189667	20131022
EP2865527 B1	20180221	EP20130189667	20131022
EP3060406 A1	20160831	EP20140707373	20140227
EP3060406 B1	20191016	EP20140707373	20140227
ES2759249 T3	20200508	ES20140707373T	20140227
IN201617013422 A	20160831	IN201617013422	20160418
IN201617013739 A	20160831	IN201617013739	20160420
IN321943 B	20191004	IN201617013422	20160418
RU2016119638 A	20171128	RU20160119638	20141010
RU2016119638 A3	20180613	RU20160119638	20141010
RU2016119683 A	20171128	RU20160119683	20140227
RU2016119683 A3	20180110	RU20160119683	20140227
RU2649545 C2	20180403	RU20160119683	20140227
RU2671903 C2	20181107	RU20160119638	20141010
US10022956 BB	20180717	US20140917042	20140227
US2016193857 AA	20160707	US20140917042	20140227
US2016207307 AA	20160721	US20140914032	20141010
WO15058865 A1	20150430	WO2014EP53868	20140227
WO15058974 A1	20150430	WO2014EP71733	20141010

Priority:

EP20130189667 20131022 WO2014EP53868 20140227 EP20140707373 20140227
RU20160119683 20140227 WO2014EP71733 20141010 RU20160119638 20141010

Probable Assignee: AGFA GEVAERT NV

Assignee(s): (std): AGFA GEVAERT ; AGFA GEVAERT NV ; AGFA GRAPHICS NV ; AGFA NV ; UNILIN BVBA

Assignee(s): DE MONDT ROEL ; MEERSSEMAN LAURENT ; TORFS RITA ; YUNILIN BVBA ; АГФА ГРАФИКС НВ ; АГФА НВ ; ЮНИЛИН БВБА ; 尤尼林有限公司 ; 爱克发印艺公司 ; 爱克发有限公司

Inventor(s): (std): DE MONDT ROEL ; DE MONDT RUL ; MEERSSEMAN LAURENT ; MERSEMAN LORAN ; TORFS RITA

Inventor(s): L 米尔斯塞曼 ; LAURENT MEERSSEMAN ; R 德蒙德特 ; R 托夫斯 ; RITA TORFS ; ROEL DE MONDT ; ДЕ МОНДТ РУЛ ; МЕРССЕМАН ЛОРАН ; ТОРФС РИТА

Agent(s): BORDEN LADNER GERVAIS LLP ; KEATING AND BENNETT LLP ; OOO SOYUZPATENT ; SHELSTON IP PTY LTD ; SOYUZPATENT OOO ; STRIJCKERS HANS ; STRIJCKERS HANS LOUIS P ; OOO СОЮЗПАТЕНТ ; СОЮЗПАТЕНТ OOO ; 万雪松 ; 中国专利代理 香港 有限公司 72001 ; 中国专利代理(香港)有限公司 72001 ; 周李军 ; 徐晶 ; 李炳爱

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

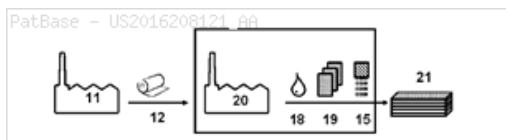
Title: INKJET PRINTING METHODS FOR MANUFACTURING OF DECORATIVE SURFACES

Abstract: An inkjet printing method for manufacturing decorative surfaces includes the steps of a) jetting a colour pattern with one or more aqueous inkjet inks including a polymer latex binder on a thermosetting resin impregnated paper; and b) drying the one or more aqueous inkjet inks.

Classifications:

International (IPC 8-9): B41J11/00 B41J2/21 B41M5/00 B41M7/00

B44C5/04 C09D11/00 C09D11/102 C09D11/322 C09D11/324
C09D11/38 C09D11/40
CPC: B41J2/21 B41M5/0047 B41M7/00 B41M7/0027 B41M7/0045
B41M7/0054 B44C5/04 C09D11/102 C09D11/322 C09D11/324
C09D11/38 C09D11/40 B41J11/0015
US: 1/1 347/20



Family:

Publication number	Publication date	Application number	Application date
AU2014339233 AA	20160211	AU20140339233	20141010
AU2014339233 BB	20180816	AU20140339233	20141010
BR112016008932 A2	20170801	BR20161108932	20141010
CA2919181 AA	20160122	CA20142919181	20141010
CN105658437 A	20160608	CN201480058205	20141010
CN105658437 B	20180420	CN201480058205	20141010
DE602013042677 D1	20180920	DE201360042677T	20131022
EP2865531 A1	20150429	EP20130189662	20131022
EP2865531 B1	20180829	EP20130189662	20131022
IN201617012032 A	20160819	IN201617012032	20160405
IN321717 B	20191004	IN201617012032	20160405
US2016208121 AA	20160721	US20140914033	20141010
US9650532 BB	20170516	US20140914033	20141010
WO15058972 A1	20150430	WO2014EP71718	20141010

Priority:

EP20130189662 20131022 WO2014EP71718 20141010

Probable Assignee: AGFA GEVAERT NV

Assignee(s): (std): AGFA GEVAERT ; AGFA GEVAERT NV ; AGFA GRAPHICS NV ; AGFA NV

Assignee(s): DE MONDT ROEL ; TORFS RITA ; 爱克发印艺公司 ; 爱克发有限公司

Inventor(s): (std): DE MONDT ROEL ; TORFS RITA

Inventor(s): R. 德蒙德特 ; R. 托夫斯 ; RITA TORFS ; ROEL DE MONDT

Agent(s): BORDEN LADNER GERVAIS LLP; KEATING AND BENNETT LLP; SHELSTON IP PTY LTD; STRIJKERS HANS; STRIJKERS HANS LOUIS P; 中国专利代理(香港)有限公司 72001; 初明明; 赵苏林

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

13) Family number: 80798093 (EP3702172 A1)

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Title: METHOD FOR PRODUCING A MULTILAYER STRUCTURED PANEL AND PANEL MANUFACTURED BY MEANS OF THIS METHOD

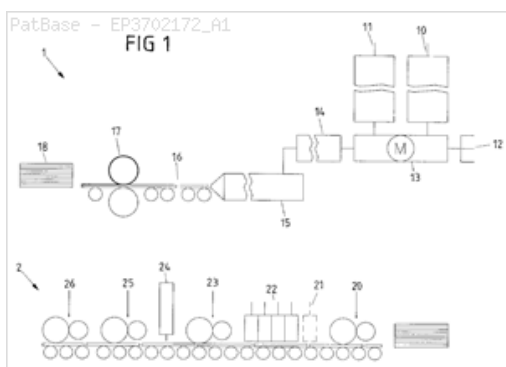
Abstract: Source: EP3702172 A1 [DE] Die vorliegende Erfindung betrifft ein Verfahren zur Herstellung eines mehrschichtigen, oberflächenstrukturierten Paneels, insbesondere eines mehrschichtigen, oberflächenstrukturierten Fussbodenpaneels, umfassend die Schritte: Bereitstellen von mindestens einer Kunststoffträgerplatte, insbesondere in Form eines Endlosstrangs; Einbringen von Oberflächenstrukturen auf mindestens eine Seite der Kunststoffträgerplatte mittels Prägen; Aufbringen von mindestens einer Grundierung auf die strukturierte Oberfläche der Kunststoffträgerplatte; Bedrucken der Kunststoffträgerplatte im Direktdruck unter Ausbildung einer Dekorschicht; Aufbringen von einer Verschleisschutzschicht enthaltend abriebfeste Partikel; Aufbringen von mindestens einer Lackschicht; und Aushärten des Schichtaufbaus.

Classifications:

International (IPC 8-9): B29C59/02 B29C59/04 B29C70/58

B44B5/00 B44C1/24 B44C5/04

CPC: B29C48/001 B29C48/07 B29C48/21 B29C59/04 B44B5/0047 B44C1/24 B44C5/04



Family:

Publication number	Publication date	Application number	Application date
EP3702172 A1	20200902	EP20190160259	20190301

Priority:

EP20190160259 20190301

Probable Assignee: FLOORING TECHNOLOGIES LTD

Assignee(s): (std): FLOORING TECHNOLOGIES LTD

Inventor(s): (std): OLDORFF FRANK

Agent(s): MAIKOWSKI AND NINNEMANN PATENTANWALTE PARTNERSCHAFT MBB

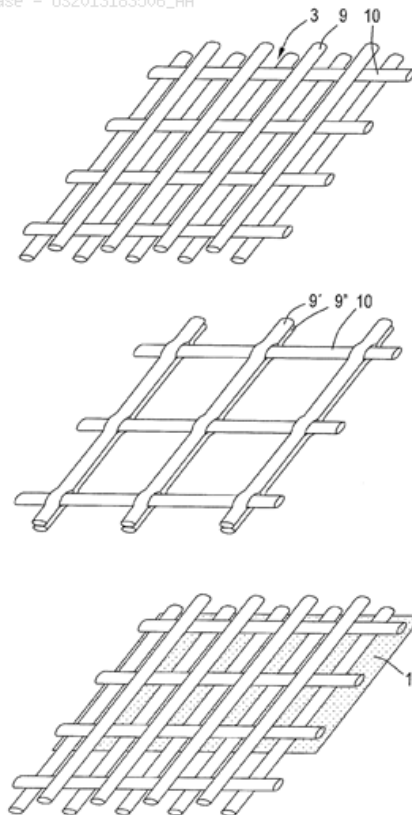
Designated states: AL AT BA BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC ME MK MT NL NO

14) Family number: 50430941 (US2013183506 AA)

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Title: PANEL COMPRISING A POLYMERIC COMPOSITE LAYER AND A REINFORCEMENT LAYER**Abstract:** A panel comprises a polymeric composite layer and at least a reinforcement layer for reinforcing the polymeric composite layer at least in the plane of the panel. The reinforcement layer is made of a material which is different from that of the polymeric composite layer.**Classifications:****International (IPC 8-9):** B32B21/10 B32B5/02 E04C2/18 E04C2/22 E04F13/16 E04F15/02 E04F15/10**CPC:** B32B21/02 B32B21/08 B32B21/10 B32B2260/023 B32B2260/028 B32B2307/734 B32B2471/00 B32B5/028 B32B5/12 B32B5/30 E04C2/22 E04C2/246 E04F13/0878 E04F15/181 Y10T428/24 Y10T428/2495 Y10T428/31989 B32B2305/08 B32B2305/10 B32B2305/38 B32B2317/16 E04C2/18 E04F13/16 E04F15/02 E04F15/10**US:** 428/213 428/537.1 428/98

PatBase - US2013183506_AA

**Family:**

Publication number	Publication date	Application number	Application date
BR112012033497 A2	20161129	BR20121133497	20110630
CA2804167 AA	20121228	CA20112804167	20110630
CN103153609 A	20130612	CN201180042673	20110630
DE202011110970 U1	20171228	DE201120110970U	20110630
DE202011110971 U1	20171228	DE201120110971U	20110630
DE602011037570 D1	20170614	DE201160037570T	20110630
EP2402155 A1	20120104	EP20100167985	20100630
EP2588311 A1	20130508	EP20110728282	20110630
EP2588311 B1	20170503	EP20110728282	20110630
EP2588311 B2	20200325	EP20110728282	20110630
EP2588311 B8	20170809	EP20110728282	20110630
EP3243653 A1	20171115	EP20170168881	20110630
EP3564031 A1	20191106	EP20190180845	20110630
EP3564032 A1	20191106	EP20190180847	20110630
EP3564033 A1	20191106	EP20190180849	20110630
EP3575080 A1	20191204	EP20190180846	20110630
EP3575081 A1	20191204	EP20190180851	20110630
EP3575082 A1	20191204	EP20190180853	20110630
ES2634916 T3	20170929	ES20110728282T	20110630
PL2588311 T3	20171031	PL20110728282T	20110630
PL2588311 T5	20200713	PL20110728282T	20110630
RU2013101800 A	20140810	RU20130101800	20110630
RU2016116434 A	20181129	RU20160116434	20110630
RU2016116434 A3	20190812	RU20160116434	20110630
RU2592523 C2	20160720	RU20130101800	20110630
RU2705061 C2	20191101	RU20160116434	20110630
TR201710119 T4	20170921	TR20170010119T	20110630
US2013183506 AA	20130718	US20110807434	20110630
WO12001091 A1	20120105	WO2011EP60991	20110630

Priority:EP20100167985 20100630
EP20110728282 20110630WO2011EP60991 20110630
RU20160116434 20110630EP20170168881 20110630
EP20170168881 20170501

Probable Assignee: SPANOLUX DIV BALTERIO NV

Assignee(s): (std): SPANOLUX N V DIV BALTERIO ; UNILIN BVBA ; VERMEULEN BRUNO PAUL LOUIS

Assignee(s): SPANOLUX DIV BALTERIO NV ; СПАНОЛЮКС Н.В.- ДИВ. БАЛТЕРИО ; УНИЛИН БВБА ; 巴尔特利奥斯巴诺吕克斯股份公司

Inventor(s): (std): VERMEULEN BRUNO PAUL LOUIS

Inventor(s): BRUNO PAUL LOUIS VERMEULEN ; VERMELEN BRUNO POL LUI ; ВЕРМЁЛЕН БРУНО ПОЛЬ ЛУИ ; 布鲁诺 保罗 刘易斯 韦尔默朗

Agent(s): BLAKE CASSELS AND GRAYDON LLP; DE VRIES AND METMAN; DE VRIES AND METMAN ET AL; ELZABURU SLP ELZABURU SLP; NEVINPAT; UGUR GUERSAD YALCINER; VALEA AB; НЕВИНПАТ; 李艳; 苏州创元专利商标事务所有限公司 32103

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PE PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

15) Family number: 62973104 (US2018002932 AA)

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Title: COVERING PANEL AND PROCESS OF PRODUCING COVERING PANELS

Abstract: The present invention provides a covering panel, such as a floor panel, wall panel or ceiling panel, comprising a substrate and optionally a top layer, whereby said substrate comprises a synthetic material and a filler material, whereby said filler material is comprised in an amount from 15 to 75 weight percent based on the total weight of said substrate. In addition, the present invention provides a process of producing such covering panels.

Classifications:

International (IPC 8-9): B29C48/00 B32B21/04 B32B21/08 B32B21/14 B32B25/02 B32B25/04 B32B25/10 B32B25/12 B32B25/16 B32B25/18 B32B27/04 B32B27/06 B32B27/08 B32B27/10 B32B27/28 B32B27/30 B32B3/06 B32B5/02 B32B5/08 B32B5/20 B32B5/24 B32B7/12 C08J3/20 C08J5/18 C08J9/00 C08K3/00 C08K3/26 C08K3/34 C08L101/00 D06N5/00 E04B9/00 E04B9/04 E04F13/00 E04F13/14 E04F13/16 E04F13/18 E04F15/00 E04F15/02 E04F15/10 **CPC:** B32B21/08 B32B21/14 B32B2419/04 B32B2471/00 B32B27/08 B32B27/20 B32B27/30 B32B27/304 B32B3/06 B32B5/022 B32B5/08 B32B5/20 B32B5/245 B32B7/12 C08J9/00 C08J9/0066 C08K2003/265 C08K3/26 C08K3/34 C08K3/346 E04B9/00 E04B9/04 E04B9/045 E04F13/16 E04F13/18 E04F15/02 E04F15/102 Y02P20/582 B32B21/045 B32B21/047 B32B2250/02 B32B2255/10 B32B2255/102 B32B2255/26 B32B2260/021 B32B2260/046 B32B2262/0253 B32B2262/0269 B32B2262/04 B32B2262/062 B32B2262/065 B32B2262/101 B32B2262/103 B32B2262/106 B32B2262/12 B32B2264/0214 B32B2264/067 B32B2264/102 B32B2264/104 B32B2264/108 B32B2266/0235 B32B2266/06 B32B2266/08 B32B2270/00 B32B2272/00 B32B2274/00 B32B2307/102 B32B2307/58 B32B2307/714 B32B2307/732 B32B2307/734 B32B25/02 B32B25/042 B32B25/045 B32B25/08 B32B25/10 B32B25/12 B32B25/16 B32B25/18 B32B2607/00 B32B27/065 B32B27/10 B32B27/12 B32B27/22 B32B27/281 B32B27/283 B32B27/285 B32B27/286 B32B27/288 B32B27/302 B32B27/306 B32B27/308 B32B27/32 B32B27/34 B32B27/36 B32B27/365 B32B27/40 B32B27/42 B32B5/32 B32B7/08 **US:** 1/1 52/309.1 52/506.06

Family:

Publication number	Publication date	Application number	Application date
CA2973417 AA	20170710	CA20162973417	20160115
CA3009319 AA	20180620	CA20163009319	20160715
CN107108936 A	20170829	CN201680006090	20160115
CN108473716 A	20180831	CN201680078593	20160715
DE602016019843 D1	20190926	DE201660019843T	20160115
DE602016027834 D1	20200130	DE201660027834T	20160715
EP3245249 A1	20171122	EP20160700732	20160115
EP3245249 B1	20190904	EP20160700732	20160115
EP3402838 A1	20181121	EP20160739153	20160715
EP3402838 B1	20200108	EP20160739153	20160715
EP3591000 A1	20200108	EP20190188679	20160115
ES2755390 T3	20200422	ES20160700732T	20160115
ES2775611 T3	20200727	ES20160739153T	20160715
JP2019508528 T2	20190328	JP20180536276T	20160715
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RU2018128021 A	20200218	RU20180128021	20160715
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RU2670847 C1	20181025	RU20170128418	20160115
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SI3245249 T1	20200228	SI20160030455T	20160115
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US10753102 BB	20200825	US20160543393	20160115
US2018002932 AA	20180104	US20160543393	20160115
US2019024384 AA	20190124	US20160070315	20160715
WO16113377 A1	20160721	WO2016EP50733	20160115
WO17121499 A1	20170720	WO2016EP66925	20160715

Priority:

EP20150151551 20150116 WO2016EP50733 20160115 EP20160700732 20160115
WO2016EP66925 20160715 EP20160739153 20160715 RU20180128021 20160715

Probable Assignee: BEAULIEU INT GROUP NV

Assignee(s): (std): BEAULIEU INT GROUP ; BEAULIEU INT GROUP NV

Assignee(s): BEVERNAGE LEO MARIE RICHARD ; LOMBAERT POL ; VAN GIEL FRANS ; WYSEUR MATTHIAS ; БОЛЬЁ ИНТЕРНЕШНЛ ГРУП НВ ; Бөр-Лүеу Интәр-национал Глүе-п ; Бөр-Лүеу Интәр-национал Глүе-п Энфеу ; 博优国际集团公司

Inventor(s): (std): BEVERNAGE LEO MARIE RICHARD ; LOMBAERT POL ; VAN GIEL FRANS ; WYSEUR MATTHIAS

Inventor(s): F.范吉尔 ; FRANS VAN GIEL ; L.M.R.贝弗内奇 ; L.M.R.贝韦内奇 ; LEO MARIE RICHARD BEVERNAGE ; M.威瑟尔 ; M.怀瑟尔 ; MATTHIAS WYSEUR ; P.伦巴尔特 ; P.隆巴尔特 ; POL LOMBAERT ; БЕВЕРНАЖ ЛЕО МАРИ РИШАР ; ВАН ГИЛЬ ФРАНС ; ВИЗОЙР МАТТИАС ; ЛОМБАР ПОЛЬ ; Фан Гьел Франс ; Фан Гьел, Франс ; В

フェルネージ レオ マリエ リカルド ; ベフェルネージ, レオ マリエ リカルド ; ロンベルト ボル ; ロンベルト, ボル ; ワイセール マティアス ; ワイセール, マティアス

Agent(s):

BRANTSANDPATENTS BVBA; GOWLING WLG CANADA LLP; NEVINPAT; RAFAEL LINAGE GONZALEZ; SHOJI TAKASHI; SUKENOBU YURIKO; UGUR GUERSAD YALCINER; WRAY JAMES CREIGHTON; НЕВИНПАТ; 北京市柳沈律师事务所 11105; 大杉 卓也; 孙梵; 平田 緑; 庄司 隆; 肖靖泉; 資延 由利子

Designated states:

AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

16) Family number: 59082877 (US2016214395 AA)

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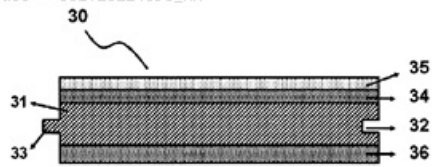
Title: MANUFACTURING OF DECORATIVE SURFACES BY INKJET

Abstract: A method for manufacturing decorative surfaces includes the steps of a) inkjet printing a colour pattern on a paper substrate with one or more aqueous inkjet inks of an aqueous inkjet ink set; and thereafter b) impregnating the paper substrate with a thermosetting resin, wherein the aqueous inkjet ink set includes a cyan aqueous inkjet ink containing a copper phthalocyanine pigment; a red aqueous inkjet ink containing a pigment C.I Pigment Red 254 or a mixed crystal thereof; a yellow aqueous inkjet ink containing a pigment C.I Pigment Yellow 151 or a mixed crystal thereof; and a black aqueous inkjet ink containing a carbon black pigment; with the proviso that the aqueous inkjet inks do not include a polymer latex binder; and that the paper substrate includes one or more ink receiving layers for improving the image quality of the aqueous inkjet inks jetted thereon.

Classifications:

International (IPC 8-9): B41J2/21 B41M5/00 B41M7/00 B44C1/24 B44C5/04 C09D11/00 C09D11/30 C09D11/322 C09D11/324 C09D11/38 C09D11/40 C09D11/54
CPC: B41J2/2107 B41M5/0023 B41M7/00 B41M7/0027 B41M7/0045 B41M7/0054 B41M7/009 B44C5/04 C09D11/322 C09D11/324 C09D11/38 C09D11/40 C09D11/54
US: 1/1 347/20

PatBase - US2016214395_AA



Family:

Publication number	Publication date	Application number	Application date
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AU2014339178 BB	20180809	AU20140339178	20141014
AU2018211283 AA	20180823	AU20180211283	20180802
AU2018211283 BB	20191010	AU20180211283	20180802
AU2018211284 AA	20180823	AU20180211284	20180802
AU2018211284 BB	20191010	AU20180211284	20180802
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CA2920794 AA	20160209	CA20142920794	20141014
CN105658436 A	20160608	CN201480058194	20141014
CN105658436 B	20181113	CN201480058194	20141014
CN108725009 A	20181102	CN201810605391	20141014
CN109572260 A	20190405	CN201811194963	20141014
DE602013032531 D1	20180308	DE201360032531T	20131022
DE602013064002 D1	20191224	DE201360064002T	20131022
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EP2865528 B1	20180131	EP20130189670	20131022
EP2979887 A1	20160203	EP20150182159	20131022
EP2979887 B1	20191211	EP20150182159	20131022
EP3293013 A1	20180314	EP20170192611	20131022
ES2762626 T3	20200525	ES20150182159T	20131022
IN201617012163 A	20160826	IN201617012163	20160406
PL2979887 T3	20200629	PL20150182159T	20131022
TR202003570 T4	20200323	TR20200003570T	20131022
US2016214395 AA	20160728	US20140917373	20141014
US9724932 BB	20170808	US20140917373	20141014
WO15059002 A1	20150430	WO2014EP72005	20141014

Priority:

EP20130189670 20131022 EP20150182159 20131022 EP20170192611 20131022
ES20150182159T 20131022 WO2014EP72005 20141014 AU20140339178 20141014
CN201480058194 20141014 AU20180211283 20180802 AU20180211284 20180802

Probable Assignee: AGFA GEVAERT NV

Assignee(s): (std): AGFA GEVAERT ; AGFA GEVAERT NV ; AGFA GRAPHICS NV ; AGFA NV

Assignee(s): TORFS RITA ; VAN BAELEN GITTE ; 爱克发印艺公司 ; 爱克发有限公司

Inventor(s): (std): TORFS RITA ; VAN BAELEN GITTE

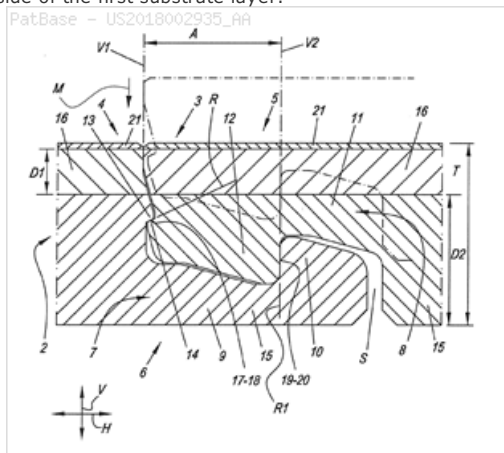
Inventor(s): G 范巴伊伦 ; GITTE VAN BAELEN ; R 托夫斯 ; RITA TORFS

Agent(s): BORDEN LADNER GERVAIS LLP; IGNACIO TEMINO CENICEROS; KEATING AND BENNETT LLP; SENEM KAYAHAN; SHELSTON IP PTY LTD; STRIJCKERS HANS; STRIJCKERS HANS LOUIS P; 中国专利代理 香港 有限公司 72001; 中国专利代理(香港)有限公司 72001; 徐晶; 李炳爱; 杨骥

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

Title: FLOOR PANEL FOR FORMING A FLOOR COVERING

Abstract: A floor panel for forming a floor covering comprises a substrate consisting of at least two substrate layers differing in density and, on at least one pair of opposite edges, is provided with coupling parts of the so-called push-lock type. Vertically active locking surfaces, where they cooperate in the coupled condition of two of such floor panels, define a tangent line which is horizontal or does not deviate more than 50 degrees from the horizontal. The locking surfaces are situated closer to the upper side of the first substrate layer than to the lower side of the first substrate layer.

Classifications:**International (IPC 8-9):** E04F15/02 E04F15/10**CPC:** B32B2471/00 E04F15/02038 E04F15/105 E04F15/107 E04F2201/0123 E04F2201/0138 E04F2201/0146 E04F2201/03 E04F2201/04 E04F2201/045 E04F2201/048 E04F2201/049**US:** 1/1 52/588.1**Family:**

Publication number	Publication date	Application number	Application date
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CN107208427 B	20200512	CN201680005856	20160113
CN111502172 A	20200807	CN202010349449	20160113
CN111502173 A	20200807	CN202010357807	20160113
EP3245352 A1	20171122	EP20160706900	20160113
EP3245352 B1	20200819	EP20160706900	20160113
US10072428 BB	20180911	US20160543746	20160113
US10407921 BB	20190910	US20180051644	20180801
US10745922 BB	20200818	US20190564628	20190909
US2018002935 AA	20180104	US20160543746	20160113
US2018334812 AA	20181122	US20180051644	20180801
US2019390467 AA	20191226	US20190564628	20190909
WO16113676 A1	20160721	WO20161B50135	20160113

Priority:

US20150103749P 20150115	WO2016B50135 20160113	CN201680005856 20160113
US20160543746 20160113	US20170543746 20170714	US20180051644 20180801
US20190564628 20190909		

Probable Assignee: FLOORING IND SARL LTD**Assignee(s):** (std): FLOORING IND LTD SARL ; FLOORING IND SARL LTD**Assignee(s):** 地板工业有限公司**Inventor(s):** (std): DEVOS PIETER**Inventor(s):** 彼得·德福斯 ; 彼得·德福斯**Agent(s):** SCHACHT BENNY ET AL; SCHACHT BENNY MARCEL CORNEEL; WORKMAN NYDEGGER; 北京康信知识产权代理有限公司 11240; 李静; 霍艺; 陈鹏

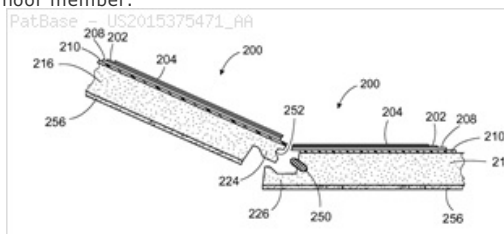
Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

Title: FLOOR PLANK WITH FOAM CORE

Abstract: The floor member has a closed-cell foam core that constitutes approximately 50 percent of the overall thickness of the floor member. All constituents of the floor member, including a design layer, wear layer and resilient foam plastic underlayer, are highly water resistant and essentially water repellent. The closed-cell foam core is relatively lightweight and the floor member is also relatively lightweight compared to equally dimensioned floor planks formed exclusively of solid laminated plastic materials or wood-based laminated materials. The floor member has edge connecting means for convenient floating floor installation without the need to adhere the floor member to a floor base. The floor member is also easy to handle to permit a do-it-yourselfer to install a floor covering with the floor member.

Classifications:

International (IPC 8-9): B32B15/04 B32B27/06 B32B27/08 B32B27/30 B32B27/32 B32B27/34 B32B27/40 B32B3/00 B32B3/06 B32B3/26 B32B37/02 B32B37/06 B32B37/10 B32B37/12 B32B37/14 B32B37/18 B32B38/04 B32B5/18 B32B7/08 B32B7/12 C08L27/06 E04B E04B2/10 E04F E04F13/075 E04F13/08 E04F13/18 E04F15/00 E04F15/02 E04F15/024 E04F15/10 E04F15/18 E04F15/22
CPC: E04F15/02033 E04F15/105 E04F15/107 E04F2201/0138 E04F2201/0161 E04F2201/026 E04F2203/065 E04F2203/08 B32B15/046 B32B2255/10 B32B2266/0235 B32B2305/022 B32B2307/102 B32B2307/412 B32B2309/105 B32B2419/00 B32B2419/04 B32B2607/00 B32B27/065 B32B27/30 B32B27/32



B32B27/34 B32B27/40 B32B3/06 B32B3/26 B32B37/02 B32B37/12 B32B37/182 B32B38/04 E04F13/0875 E04F13/0885 E04F13/185 E04F15/0215 E04F2201/07 Y10T156/10 Y10T156/1064 Y10T428/24802 Y10T428/24851 Y10T428/24917
US: 156/220 156/304.1 156/304.3 428/159 428/213 1/1

Family:

Publication number	Publication date	Application number	Application date
AU2015249146 AA	20170323	AU20150249146	20151029
AU2015249146 BB	20170713	AU20150249146	20151029
CA2911288 AA	20170304	CA20152911288	20151103
CA2911288 C	20180313	CA20152911288	20151103
CN103950267 A	20140730	CN201310158946	20130502
CO16031721 A1	20170831	CO20160031721	20160210
EP3141674 A1	20170315	EP20150193421	20151106
US2015375471 AA	20151231	US20150846407	20150904
US9643377 BB	20170509	US20150846407	20150904
ZA201508182 A	20170222	ZA20150008182	20151105

Priority:

CN201310158946 20130502 CN201320232217U 20130502 US20140260958 20140424
US20150846407 20150904

Probable Assignee: TOWER IPCO CO LTD

Assignee(s): (std): SONG JINCHENG ; TOWER IPCO CO LTD ; ZHANGJIAGANG ELEGANT PLASTICS CO LTD

Assignee(s): AILI PLASTIC CO LTD ZHANGJIAGANG ; STONE NORMAN ; ZHANGJIAGANG ELEGANT PLASTICS CO ; 张家港爱丽塑料有限公司

Inventor(s): (std): SONG JINCHENG

Inventor(s): JINCHENG SONG ; 宋锦程

Agent(s): GRIFFITH HACK; JESUS MARIA MENDEZ BERMUDEZ; MOFFAT JOHN ANDREW; PARLEE MCLAWS LLP; RODMAN AND RODMAN; 上海中新律师事务所 31272; 竺路玲

Designated states: AL AT BA BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC ME MK MT NL NO PL PT RO RS SE SI SK SM TR