

Title (en)
PANEL WITH VERTICAL ASSEMBLY FOR PRODUCING A COVERING

Title (de)
PANEEL MIT VERTIKALER ANORDNUNG ZUR HERSTELLUNG EINER ABDECKUNG

Title (fr)
PANNEAU A ASSEMBLAGE VERTICAL POUR LA REALISATION D'UN REVÊTEMENT

Publication
EP 3891349 A1 20211013 (FR)

Application
EP 19839641 A 20191202

Priority
• FR 1872489 A 20181207
• FR 2019052893 W 20191202

Abstract (en)
[origin: WO2020115415A1] Panel (1) having a blade or slab shape, preferably made of a plastic material for producing a floor or wall covering, the panel (1) comprising two pairs of opposite sides defining four edges, two edges of which comprise male coupling means (2), and two edges comprise complementary female coupling means (3), the assembly kinematic of two adjacent panels (1) being vertical, characterised in that: - the male coupling means (2) comprise two parallel grooves extending along the edge and opening onto a lower face of the panel (1), so as to define an internal male groove (2a), an external male groove (2b), an internal male tenon (2c) and an external male tenon (2d); - the female coupling means (3) comprise two parallel grooves extending along the edge and opening onto an upper face of the panel (1), so as to define an internal female groove (3a), an external female groove (3b), an internal female tenon (3 c) and an external female tenon (3d); - the male coupling means (2) comprise two lugs (4) and/or notches (5) and the female coupling means (3) comprise two complementary notches (5) and/or lugs (4) forming, after assembly of two adjacent panels (1), abutments against vertical displacement between two assembled adjacent panels (1).

IPC 8 full level
E04F 15/02 (2006.01); **E04F 15/10** (2006.01)

CPC (source: EP US)
E04F 13/0894 (2013.01 - US); **E04F 15/02038** (2013.01 - EP US); **E04F 15/105** (2013.01 - EP US); **E04F 2201/0138** (2013.01 - EP US); **E04F 2201/042** (2013.01 - EP US); **E04F 2201/043** (2013.01 - EP US)

Citation (search report)
See references of WO 2020115415A1

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 2020115415 A1 20200611; CN 113383138 A 20210910; EP 3891349 A1 20211013; EP 3891349 B1 20230802; EP 3891349 C0 20230802; FR 3089534 A1 20200612; FR 3089534 B1 20230303; PL 3891349 T3 20230918; US 11828072 B2 20231128; US 2022025656 A1 20220127

DOCDB simple family (application)
FR 2019052893 W 20191202; CN 201980090946 A 20191202; EP 19839641 A 20191202; FR 1872489 A 20181207; PL 19839641 T 20191202; US 201917311380 A 20191202