

Title (en)
ENGINEERED PLANK AND ITS MANUFACTURING METHOD

Title (de)
FERTIGPARKETTDIELE UND HERSTELLUNGSVERFAHREN DAFÜR

Title (fr)
PLANCHE D'INGÉNIERIE ET SON PROCÉDÉ DE FABRICATION

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Application
EP 18802189 A 20180510

Priority

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Abstract (en)
[origin: WO2018213086A1] A plank is described and a method for manufacturing the plank. The plank can be produced by mixing polyvinyl chloride powder, coarse whiting and light calcium compound powder, stabilizer, polyethylene wax, internal lubricant, plasticizer, and impact modifier together, and stirring this mixture. The mixture is then extruded through an extruder compound to form a plastic composite base material. A surface layer is then tiled onto the plastic composite base material using thermal compression, without the use of intermediate adhesive materials. The surface layer can be embossed when it is combined with the mixture being extruded.

IPC 8 full level
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Citation (search report)

- [X] US 2011167744 A1 20110714 - WHISPELL JOHN M [US], et al
- [X] US 2016177579 A1 20160623 - FANG QINGHUA [CN]
- [X] US 2016281367 A1 20160929 - JIANG GUODONG [US]
- See also references of WO 2018213086A1

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