

Title (en)
MAT CONSTRUCTION WITH ENVIRONMENTALLY RESISTANT CORE

Title (de)
MATTENAUFBAU MIT UMWELTBESTÄNDIGEM KERN

Title (fr)
STRUCTURE DE PAILLASSON AVEC NOYAU RÉSISTANT À L'ENVIRONNEMENT

Publication
EP 3274505 A1 20180131 (EN)

Application
EP 16712573 A 20160229

Priority

- US 201562138143 P 20150325
- US 201562158196 P 20150507
- US 201562211662 P 20150828
- US 201562211664 P 20150828
- US 201514839888 A 20150828
- US 2016020067 W 20160229

Abstract (en)
[origin: WO2016153732A1] A mat having a non-wood core that provides strength and rigidity to the mat, and including a structure of a sheet, elongated members, a frame, compartments, or combinations thereof; and at least one outer layer associated with the core and made of elongated members typically made of wood or engineered wood. The core and outer layer(s) are integral or are joined together, and the structure of the core is made of one or more environmentally resistant materials to provide an extended service life when encountering rain, snow or other weather conditions that would eventually degrade wood. The mat has a load bearing capacity that is able to withstand a load of at least 500 to 800 psi or even 1000 psi without permanently deforming the core. Bumpers are preferably provided upon sides of the mat to protect them from damage due to transport or installation of the mat.

IPC 8 full level
E01C 5/14 (2006.01); **E01C 5/00** (2006.01); **E01C 5/22** (2006.01); **E01C 9/08** (2006.01)

CPC (source: EP)
E01C 5/005 (2013.01); **E01C 5/14** (2013.01); **E01C 5/22** (2013.01); **E01C 9/086** (2013.01)

Citation (search report)
See references of WO 2016153732A1

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 2016153732 A1 20160929; AU 2016235980 A1 20171019; AU 2016235980 B2 20200820; CA 2980896 A1 20160929;
CN 108138452 A 20180608; EP 3274505 A1 20180131; JP 2018510986 A 20180419; JP 6786583 B2 20201118; MX 2017012177 A 20180619

DOCDB simple family (application)
US 2016020067 W 20160229; AU 2016235980 A 20160229; CA 2980896 A 20160229; CN 201680030488 A 20160229;
EP 16712573 A 20160229; JP 2018501137 A 20160229; MX 2017012177 A 20160229