Title (en)
FLEXIBLE MAT FORMING SYSTEM AND METHOD

Title (de)
SYSTEM UND VERFAHREN ZUR HERSTELLUNG VON FLEXIBLEN MATTEN

Title (fr)
SYSTÈME ET PROCÉDÉ DE FORMATION DE TAPIS FLEXIBLE

Publication
EP 3696329 B1 20231025 (EN)

Application
EP 20157246 A 20200213

Priority
• US 201916277540 A 20190215
• US 201916295784 A 20190307
• US 201916530450 A 20190802

Abstract (en)
[origin: EP3696329A1] In an exemplary embodiment, a system (300) for forming a flexible mat (74) having an open mesh (358) embedded in and interconnecting a plurality of blocks (76) of a hardened paste includes a rotating drum (314) having a plurality of mold cavities (324) about an outer periphery thereof that receive a hardenable paste (25); a sheet of the open mesh that is fed over the mold cavities so that the mesh is embedded in the hardenable paste deposited in the mold cavities; and a flexible sheet (302) that is placed against the outer periphery of the drum over the mold cavities containing the hardenable paste and the sheet of open mesh of the rotating drum to retain the hardenable paste within the mold cavities and retain the open mesh embedded in the hardenable paste as the hardenable paste solidifies to form the flexible mat.

IPC 8 full level
E02D 17/20 (2006.01); **B28B 5/10** (2006.01); **B28B 23/00** (2006.01); **E01C 9/00** (2006.01); **E01C 19/50** (2006.01); **E01C 19/52** (2006.01); **E02B 3/12** (2006.01)

CPC (source: EP)
B28B 5/10 (2013.01); **B28B 23/0012** (2013.01); **E01C 9/001** (2013.01); **E01C 19/508** (2013.01); **E01C 19/522** (2013.01); **E02B 3/121** (2013.01); **E02B 3/123** (2013.01); **E02D 17/202** (2013.01); E02B 3/129 (2013.01)

Cited by
CN112211086A; CN115463597A

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

DOCDB simple family (publication)
EP 3696329 A1 20200819; **EP 3696329 B1 20231025**; AU 2020201063 A1 20200903; AU 2020201071 A1 20200903; AU 2020201071 B2 20220310; CA 3071167 A1 20200815; CA 3071167 C 20230808; CA 3071175 A1 20200815

DOCDB simple family (application)
EP 20157246 A 20200213; AU 2020201063 A 20200214; AU 2020201071 A 20200214; CA 3071167 A 20200205; CA 3071175 A 20200205