

Title (en)

PROGRESSIVE STAGE LOAD DISTRIBUTION AND ABSORPTION UNDERLAYMENT SYSTEM

Title (de)

PROGRESSIVES BÜHNENLASTVERTEILUNGS- UND ABSORPTIONSUNTERLAGENSYSTEM

Title (fr)

SYSTÈME DE SOUS-COUCHE DE DISTRIBUTION ET D'ABSORPTION DE CHARGES À ÉTAGES PROGRESSIFS

Publication

EP 3935238 A4 20221130 (EN)

Application

EP 20766677 A 20200304

Priority

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- US 2020020893 W 20200304

Abstract (en)

[origin: WO2020180931A1] A progressive stage load distributing and absorbing system that lies below a superstructure material which is exposed to percussive forces. The progressive stage load distributing and absorbing system is interposed between the superstructure material and a foundation. The system has a barrier layer that lies below the superstructure material and an underlayment infrastructure positioned below the barrier layer. Included in the underlayment infrastructure are hat-shaped absorbing members that have a relatively compliant stage subsystem and one or more relatively stiff stage subsystems.

IPC 8 full level

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CPC (source: EP)

E04F 15/185 (2013.01); **E04F 15/187** (2013.01); **E04F 15/22** (2013.01); **E01C 13/02** (2013.01)

Citation (search report)

- [A] EP 3153626 A1 20170412 - BROCK INT [US]
- [A] US 2016010343 A1 20160114 - MOLLER JR JORGEN J [US], et al
- [A] WO 2014174433 A1 20141030 - ROOFINGGREEN S R L [IT]
- [A] WO 2016073021 A1 20160512 - VICONIC SPORTING LLC [US]
- See also references of WO 2020180931A1

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)

WO 2020180931 A1 20200910; CA 3129148 A1 20200910; CN 114096722 A 20220225; CN 114096722 B 20230718; EP 3935238 A1 20220112; EP 3935238 A4 20221130; MX 2021010627 A 20220325

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