Title (en)

TILE APPARATUS WITH SELECTIVELY COLLAPSIBLE NON-ADHESIVE SUPPORT SYSTEM AND METHOD OF USE

Title (de)

FLIESENVORRICHTUNG MIT SELEKTIV ZUSAMMENKLAPPBAREM NICHTKLEBENDEM TRÄGERSYSTEM UND VERWENDUNGSVERFAHREN

Title (fr)

APPAREIL DU TYPE TUILE AVEC SYSTÈME DE SUPPORT NON ADHÉSIF PLIABLE DE FAÇON SÉLECTIVE ET PROCÉDÉ D'UTILISATION

Publication

EP 4051848 A1 20220907 (EN)

Application

EP 19951088 A 20191028

Priority

US 2019058344 W 20191028

Abstract (en)

[origin: WO2021086309A1] A tile apparatus for installation on a substrate having a contact adhesive array affixed to the underside of the tile body, the contact adhesive array comprising at least one adhesive feature extending from the underside and defining an array height relative to the underside, and a support system affixed to the underside of the tile body offset from the contact adhesive array, the support system comprising at least one non-adhesive standoff positioned adjacent to the at least one adhesive feature and extending from the underside and defining a standoff height relative to the underside that is greater than the array height, the at least one non-adhesive standoff of the support system supporting the tile body and being selectively slidable relative to the substrate upon application of a lateral force to the tile body and selectively collapsible upon application of a collapsing force to the tile body toward the substrate.

IPC 8 full level

E04F 15/00 (2006.01); **B32B 7/12** (2006.01); **E04B 5/02** (2006.01)

CPC (source: EP US)

E04F 13/0885 (2013.01 - EP); **E04F 15/0215** (2013.01 - EP); **E04F 15/02155** (2013.01 - US); E04F 2290/00 (2013.01 - US)

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 2021086309 A1 20210506; EP 4051848 A1 20220907; EP 4051848 A4 20230802; US 2023031036 A1 20230202

DOCDB simple family (application)

US 2019058344 W 20191028; EP 19951088 A 20191028; US 201917772469 A 20191028