

Title (en)
WATER RESISTANT CEILING TILE

Title (de)
WASSERBESTÄNDIGE DECKENFLIESE

Title (fr)
TUILE DE PLAFOND RÉSISTANT À L'EAU

Publication
EP 2630312 A4 20141029 (EN)

Application
EP 10858737 A 20101018

Priority
US 2010052988 W 20101018

Abstract (en)
[origin: WO2012054014A1] A ceiling tile comprising a core, an appearance coating on a face side of the tile, and a waterproof coating on a backside of the tile, the core including a filler, binder, and fiber elements dried from a water based slurry or paste of said elements, the core being water permeable and containing a non-white stain producing material susceptible to being leached out of the core by water percolating through the core, the appearance coating exhibiting a high light reflectivity by virtue of containing a white colored constituent and being pervious to water, the waterproof coating serving to repel and bead- up water droplets deposited on the backside of the tile.

IPC 8 full level
C09D 5/08 (2006.01); **E04B 9/04** (2006.01); **E04C 2/26** (2006.01)

CPC (source: EP US)
C09D 5/00 (2013.01 - EP US); **E04B 9/04** (2013.01 - US); **E04B 9/045** (2013.01 - EP US); **Y10T 428/273** (2015.01 - EP US); **Y10T 428/3154** (2015.04 - EP US)

Citation (search report)

- [XAI] US 2005191465 A1 20050901 - MAYERS THOMAS M [US], et al
- [I] BE 416877 A
- [A] WO 0220676 A1 20020314 - TNO [NL], et al
- See references of WO 2012054014A1

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 2012054014 A1 20120426; AU 2010362657 A1 20130418; BR 112013008123 A2 20171010; CA 2813558 A1 20120426; CN 103154400 A 20130612; CN 103154400 B 20151216; EP 2630312 A1 20130828; EP 2630312 A4 20141029; HK 1181830 A1 20131115; JP 2013544990 A 20131219; JP 5740001 B2 20150624; MX 2013003872 A 20130628; RU 2013120405 A 20141127; RU 2552268 C2 20150610; US 2013196151 A1 20130801

DOCDB simple family (application)
US 2010052988 W 20101018; AU 2010362657 A 20101018; BR 112013008123 A 20101018; CA 2813558 A 20101018; CN 201080069410 A 20101018; EP 10858737 A 20101018; HK 13108959 A 20130731; JP 2013533830 A 20101018; MX 2013003872 A 20101018; RU 2013120405 A 20101018; US 201013877474 A 20101018