

Title (en)
HIGH GLOSS POLYMER FLOORING TILES

Title (de)
HOCHGLÄNZENDE POLYMERBODENFLIESE

Title (fr)
CARREAUX DE REVÊTEMENT DE SOL EN POLYMÈRE À BRILLANT ÉLEVÉ

Publication
EP 4313588 A1 20240207 (EN)

Application
EP 22719024 A 20220330

Priority
• IN 202121015286 A 20210331
• US 202217573308 A 20220111
• IB 2022052966 W 20220330

Abstract (en)
[origin: WO2022208397A1] This disclosure relates generally to composite polymer product applications. In one embodiment, a composite polymer flooring tile is disclosed, comprising: a core layer; a print layer applied to a surface of the core layer, the print layer including a decorative design; a wear layer applied to a surface of the print layer; a primer layer applied to a surface of the wear layer; a sanding layer applied to a surface of the primer layer, wherein the sanding layer includes a surface smoothened by sandblasting; an abrasive layer applied to the smoothened surface of the sanding layer, the abrasive layer including wear resistant particles; and a gloss layer applied to a surface of the abrasive layer; wherein a gloss level of the tile is at least 90% at 60° as measured according to ASTM D523 and EN 16094; and wherein the tile meets EPLF abrasion criteria ("AC") rating of at least AC3.

IPC 8 full level
B32B 25/14 (2006.01); **B32B 27/08** (2006.01); **B32B 27/18** (2006.01); **B32B 27/20** (2006.01); **B32B 27/30** (2006.01); **B32B 27/32** (2006.01); **B32B 27/34** (2006.01); **B32B 27/36** (2006.01); **B32B 27/40** (2006.01)

CPC (source: EP)
B32B 25/14 (2013.01); **B32B 27/08** (2013.01); **B32B 27/18** (2013.01); **B32B 27/20** (2013.01); **B32B 27/30** (2013.01); **B32B 27/304** (2013.01); **B32B 27/306** (2013.01); **B32B 27/32** (2013.01); **B32B 27/34** (2013.01); **B32B 27/36** (2013.01); **B32B 27/365** (2013.01); **B32B 27/40** (2013.01); **B32B 2264/00** (2013.01); **B32B 2270/00** (2013.01); **B32B 2307/406** (2013.01); **B32B 2307/554** (2013.01); **B32B 2307/732** (2013.01); **B32B 2307/734** (2013.01); **B32B 2307/75** (2013.01); **B32B 2419/04** (2013.01)

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

Designated validation state (EPC)
KH MA MD TN

DOCDB simple family (publication)
WO 2022208397 A1 20221006; AU 2022247482 A1 20231026; CA 3213952 A1 20221006; EP 4313588 A1 20240207

DOCDB simple family (application)
IB 2022052966 W 20220330; AU 2022247482 A 20220330; CA 3213952 A 20220330; EP 22719024 A 20220330