Title (en)
METHOD OF DESIGNING A CORRUGATED SHEET AND CORREGATED SHEET OBTAINED

Title (de)
VERFAHREN ZUM ENTWURF EINES WELLBLECHS UND DAMIT HERGESTELLTES WELLBLECH

Title (fr)
MÉTHODE DE CONCEPTION D'UNE PLAQUE ONDULÉE ET PLAQUE ONDULÉE OBTENUE

Publication
EP 3161222 A1 20170503 (FR)

Application
EP 15738736 A 20150623

Priority
• FR 1455978 A 20140626
• FR 2015051667 W 20150623

Abstract (en)
[origin: WO2015197968A1] Method for designing a corrugated roofing sheet (1) made of natural fibres, notably cellulose fibres, impregnated with bitumen comprising a uniform pattern of mutually parallel alternating corrugations borne by a mid-plane (4), said corrugations defining rounded crests (2) each separated from the next by a rounded trough (3), the crests and trough being connected by alternately inclined portions (5, 5'), the transverse offset between two successive crests (2) being equal to the transverse offset between two successive troughs (3) and defining the pitch P of the corrugations, the sheet (1) having a thickness E of material substantially constant over its extent, the sheet having a height H defined as being twice the distance between the mid-plane (4) and the exterior surface of a crest (2) or twice the distance between the mid-plane (4) and the exterior surface of a trough (3), these two distances being identical. The height H, thickness E and pitch P values for the sheet are determined by solving the inequation $F_i < H^3/(8 \times E \times (H + P)) < F_s$ where $F_i = 25$ mm and $F_s = 35$ mm. A sheet with dimensions H, P, E corresponding to the inequation is also considered.

IPC 8 full level
E04D 3/34 (2006.01)

CPC (source: CN EP RU US)
D06M 15/17 (2013.01 - US); **E04D 3/24** (2013.01 - US); **E04D 3/34** (2013.01 - CN EP RU US); B32B 3/28 (2013.01 - US); B32B 11/00 (2013.01 - US); B32B 11/02 (2013.01 - US); B32B 11/10 (2013.01 - US); D06M 2101/02 (2013.01 - US); E04D 3/32 (2013.01 - US); Y10T 428/24694 (2015.01 - EP US); Y10T 428/31815 (2015.04 - EP 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)
FR 3022927 A1 20160101; **FR 3022927 B1 20160610**; BR 112016028598 A2 20170822; CN 106661888 A 20170510; EP 3161222 A1 20170503; RU 2679465 C1 20190211; US 10167636 B2 20190101; US 2017130458 A1 20170511; WO 2015197968 A1 20151230

DOCDB simple family (application)
FR 1455978 A 20140626; BR 112016028598 A 20150623; CN 201580034371 A 20150623; EP 15738736 A 20150623; FR 2015051667 W 20150623; RU 2017102354 A 20150623; US 201515318849 A 20150623