

Title (en)
A LIGHTWEIGHT AND WATERTIGHT LOW PITCH ROOF STRUCTURE

Title (de)
LEICHTE UND WASSERDICHT E DACHSTRUKTUR MIT GERINGER NEIGUNG

Title (fr)
STRUCTURE DE TOIT À FAIBLE PENTE LÉGÈRE ET ÉTANCHE À L'EAU

Publication
EP 3097241 A1 20161130 (EN)

Application
EP 15706054 A 20150108

Priority
• MY UI2014700129 A 20140120
• IB 2015050138 W 20150108

Abstract (en)
[origin: CN106164391A] The present invention comprises essentially space-apart U-shaped rafters (10) appropriately attached to a truss framework (14), underlays (20) disposed on top extended sections (12) of the rafters (10), and cross battens (40) extending transversely relative to the rafters (10) and serving the purpose of supporting roof tiles (80). Counter battens (30) are employed to press down the underlays (20) to form valleys (21), each being a stretched rigid surface. The roof structure is adapted to be attached at the eave or the verge with fascia boards (60) or wall abutment (70), so that stray rainwater from heavy storms is prevented to enter the roof structure, thus rendering the roof structure watertight.

IPC 8 full level
E04D 12/00 (2006.01)

CPC (source: EP)
E04D 12/002 (2013.01); **E04D 12/006** (2013.01)

Citation (search report)
See references of WO 2015107437A1

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)
CN 106164391 A 20161123; CN 106164391 B 20190409; EP 3097241 A1 20161130; EP 3097241 B1 20200101; MY 175140 A 20200610; PL 3097241 T3 20200629; ZA 201603088 B 20170726

DOCDB simple family (application)
CN 201580004740 A 20150108; EP 15706054 A 20150108; MY UI2014700129 A 20140120; PL 15706054 T 20150108; ZA 201603088 A 20160509