

Title (en)
COMPOSITE CONSTRUCTIONAL BEAM

Title (de)
VERBUNDBAUTRÄGER

Title (fr)
FAISCEAU DE CONSTRUCTION COMPOSITE

Publication
EP 3599319 A1 20200129 (EN)

Application
EP 19000347 A 20190725

Priority
PL 42645518 A 20180725

Abstract (en)
Subject matter of the invention is a composite constructional beam with two-sided reinforcement of composite material constructed from a web, a reinforcement in the compressive area and a reinforcement in the tensile area, characterized in that the beam's web is one or more boards bonded to one another in width; whereupon one of the marginal edges of the beam's web is flat or has gaps as a result of translations of the connected to one another boards or is in the axis and undergoes treatment by milling by a round or rectangular mill in an U-shape; whereas the beam's web is the carrier of reinforcement situated in its [the beam's] marginal edges places; the compressive reinforcement is situated in the compressive area of the beam and the tensile reinforcement is situated in the tensile area of the beam in the place of the flat marginal edge or in the place of the translations of the connected to one another boards or in the place of the extracted material in the U-shape created after treatment by milling; additionally the reinforcement of the tensile area is protected by insulating material and/or foil.

IPC 8 full level
E04C 3/29 (2006.01)

CPC (source: EP)
E04C 3/29 (2013.01)

Citation (applicant)
PL 419471 A1 20180521 - CAVICO SPOLKA Z OGRANICZONA ODPOWIEDZIALNOSCIA SPOLKA W ORGANIZACJI [PL]

Citation (search report)
• [XA] FR 2585393 A1 19870130 - RENOFORS FRANCE [FR]
• [XA] FR 2871089 A1 20051209 - PLEE CHRISTIAN [FR], et al

Cited by
WO2024137361A1

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)
EP 3599319 A1 20200129; PL 426455 A1 20200127

DOCDB simple family (application)
EP 19000347 A 20190725; PL 42645518 A 20180725