

Title (en)

Mechanical end anchor element for reinforcement laminates on structures

Title (de)

Mechanisches Endverankerungselement für Verstärkungslamine an Bauwerken

Title (fr)

Élément d'ancrage mécanique d'extrémité pour laminés de renforcement sur des constructions

Publication

**EP 2083133 A3 20130320 (DE)**

Application

**EP 09151194 A 20090123**

Priority

CH 1172008 A 20080128

Abstract (en)

[origin: EP2083133A2] The element has a base plate (1) forming a supporting surface (2), which has a curved surface (4) for a laminate region so that an end region (5) of a laminate takes a bend (6) directed opposite to a structure (B). A clamping plate (8) is laid on the base plate, and has a curved surface (9) as a lower side (10) and adapted to the curved surface (4). The clamping plate and base plate are aluminum parts, are clampably connected with each other by screw connectors, and are anchored in the structure by anchoring bolts (13) i.e. dowel bolts, which penetrate both the clamping plate and base plate. An independent claim is also included for a method for installing an end anchor element for fiber-reinforced laminate strips.

IPC 8 full level

**E04G 23/02** (2006.01)

CPC (source: EP)

**E04G 23/0218** (2013.01); **E04G 2023/0262** (2013.01)

Citation (search report)

- [XYI] DE 102004044386 A1 20060330 - SCHERE JOSEF [CH]
- [Y] EP 1033455 A1 20000906 - FREYSSINET INT STUP [FR]

Cited by

FR3096382A1; GB2568537A; GB2568537B; EP4071321A1; WO2016005941A1; WO2020234341A1

Designated contracting state (EPC)

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 SE SI SK TR

Designated extension state (EPC)

AL BA RS

DOCDB simple family (publication)

**EP 2083133 A2 20090729; EP 2083133 A3 20130320; CH 700733 B1 20101015**

DOCDB simple family (application)

**EP 09151194 A 20090123; CH 1172008 A 20080128**