

Title (en)

TIE

Title (de)

VERBINDER

Title (fr)

CONNECTEUR

Publication

**EP 3540142 B1 20210331 (EN)**

Application

**EP 19155655 A 20190206**

Priority

FI U20184042 U 20180312

Abstract (en)

[origin: EP3540142A1] A tie 1 for connecting internal layer 12 and external layer 13 of a sandwich building element 11 to each other, which tie 1 comprises an internal bar 2 fittable into the internal layer 12 of the building element and an external bar 3 which is fittable into the external layer of the building element, and a bracing 4 connecting the internal bar 2 and external bar 3. The tie 1 comprises a further bond 15 for fastening the tie 1 to the building element 11, and at least a part of the bracing 4, at least a part of the inner bar and outer bar 2, 3 and the further bond 15 are formed from the same wire blank by bending, and which further bond 15 is formed in wire blank between the bracing 4 and the said bar 2, 3. A sandwich building element 11 comprises an internal layer 12 and an external layer 13, which are bound to each other with a tie 1, the internal bar 2 of which tie 1 is placed into concrete of the internal layer 12 and the external bar 3 into concrete of the external layer 13 and further bond 15 into concrete of internal layer 12 or external layer 13.

IPC 8 full level

**E04C 2/04** (2006.01); **E04C 2/288** (2006.01)

CPC (source: EP)

**E04C 2/288** (2013.01); **E04C 2002/048** (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

DOCDB simple family (publication)

**EP 3540142 A1 20190918**; **EP 3540142 B1 20210331**; DK 3540142 T3 20210525; FI 12036 U1 20180413; LT 3540142 T 20210525; PL 3540142 T3 20211018

DOCDB simple family (application)

**EP 19155655 A 20190206**; DK 19155655 T 20190206; FI U20184042 U 20180312; LT 19155655 T 20190206; PL 19155655 T 20190206