

Title (en)

Composite element primarily designed for vertically supporting constructive elements of buildings

Title (de)

Verbundbauteil zum im wesentlichen vertikalen Stützen von Bauelementen von Gebäuden

Title (fr)

Élément composite conçu essentiellement pour supporter verticalement des éléments constructifs de bâtiments

Publication

EP 0875635 B1 20030827 (DE)

Application

EP 98810355 A 19980422

Priority

CH 101497 A 19970430

Abstract (en)

[origin: EP0875635A1] The compound structural part (1) has a body (4) which has end-side support plates (11,12) and comprises an inner hollow profile (5) forming an inner chamber (7) enclosed by an outer hollow profile (6). Between the outer and inner hollow profiles an outer chamber (8) is formed. The inner and outer chambers are filled with a concrete or mortar mixture. On the inside (9) of the inner hollow profile (5) longitudinal reinforcements (10) of concrete steel are fitted. These reinforcements are connected to both support plates (11,12). These plates are also connected to the inner and outer hollow profiles. The inner hollow profile and/or the outer hollow profile and/is of steel. The concrete or mortar mixture filling the outer chamber is provided with a thermal insulating additive.

IPC 1-7

E04C 3/34

IPC 8 full level

E04C 3/34 (2006.01)

CPC (source: EP)

E04C 3/34 (2013.01)

Cited by

CN100393969C; DE102007037951A1; FR2833632A1; FR2932203A1; EP2228498A1; ITVV20080006A1; CN108179840A; WO03054321A1; DE202010015155U1; DE102010045093A1

Designated contracting state (EPC)

AT BE CH DE FR IT LI LU NL

DOCDB simple family (publication)

EP 0875635 A1 19981104; EP 0875635 B1 20030827; AT E248265 T1 20030915; DE 59809372 D1 20031002

DOCDB simple family (application)

EP 98810355 A 19980422; AT 98810355 T 19980422; DE 59809372 T 19980422