

Title (en)
COMPOSITE SECTION

Publication
EP 0133565 B1 19881019 (DE)

Application
EP 84109301 A 19840806

Priority
LU 84966 A 19830812

Abstract (en)
[origin: US4616464A] A composite structural element comprises a steel structural shape whose web is provided with one or more steel plates secured thereto by welding or bolting and embedded in the concrete filling the channels between its flanges. The concrete may also include a reinforcement secured to the plate. With a relatively simple structure the system has increased load-carrying capacity even under fire conditions.

IPC 1-7
E04C 3/293

IPC 8 full level
E04C 3/293 (2006.01)

CPC (source: EP US)
E04C 3/293 (2013.01 - EP US)

Cited by
FR2736667A1; EP0212593A3; EP0189785A3; DE102019000116A1; WO9703260A1; DE102017219514A1; US7645310B2; US6966940B2; US7008467B2; US9993763B2; US10500533B2; US11161072B2; US7491254B2

Designated contracting state (EPC)
AT BE CH DE FR GB IT LI NL SE

DOCDB simple family (publication)
EP 0133565 A2 19850227; EP 0133565 A3 19850821; EP 0133565 B1 19881019; AT E38071 T1 19881115; CA 1236703 A 19880517; DE 3474703 D1 19881124; LU 84966 A1 19850424; US 4616464 A 19861014

DOCDB simple family (application)
EP 84109301 A 19840806; AT 84109301 T 19840806; CA 460879 A 19840813; DE 3474703 T 19840806; LU 84966 A 19830812; US 63937584 A 19840809