

Title (en)  
COMPOSITE BEAM

Publication  
**EP 0212593 A3 19890315 (FR)**

Application  
**EP 86111326 A 19860816**

Priority  
LU 86063 A 19850830

Abstract (en)  
[origin: US4779395A] A fireproof construction element has a plurality of integrally interconnected and parallel profile beams each having a longitudinally extending outer flange defining an outer surface and a longitudinally extending web extending inwardly from the flange. The webs are each formed adjacent the flange with a row of at least generally longitudinally extending, elongated, and laterally throughgoing slots. The beams form a plurality of outwardly open channels laterally bounded by the flanges. Respective masses of concrete substantially fill the channels between the webs and inward of the flanges and have outer surfaces contiguous with the outer surfaces of the beam flanges. The slots can be provided in two rows with the slots of one row overlapping and staggered with the rows of the other row.

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)

Citation (search report)  
• [A] EP 0123642 A2 19841031 - ARBED [LU]  
• [A] EP 0133565 A2 19850227 - ARBED [LU]

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

DOCDB simple family (publication)  
**EP 0212593 A2 19870304; EP 0212593 A3 19890315; EP 0212593 B1 19910403**; AT E62307 T1 19910415; CA 1303380 C 19920616; DE 3678510 D1 19910508; LU 86063 A1 19870306; US 4779395 A 19881025

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**EP 86111326 A 19860816**; AT 86111326 T 19860816; CA 515211 A 19860801; DE 3678510 T 19860816; LU 86063 A 19850830; US 90178286 A 19860828