

Title (en)  
Reinforced aluminium beam.

Title (de)  
Bewehrte Aluminiumträger.

Title (fr)  
Poutre en aluminium renforcée.

Publication  
**EP 0685611 A1 19951206 (EN)**

Application  
**EP 95600007 A 19950524**

Priority  
GR 94100257 A 19940530

Abstract (en)  
The reinforced aluminium beam is a standardized beam, industrially produced, which is used for the construction of frames and other structures of construction works with high strenght and architectural requirements. It consists externally of an aluminium extrusion, which is filled with resin mortar and building iron integrated in the resin mortar during the process of casting the resin mortar inside the vacuum of the aluminium profile so that the materials form an integrated whole. The beam is industrially produced in standardized shapes, dimensions and colours, according to the architectural and statical requirements of the frame of the construction or structure in which it is used. The beam has the advantage of the external form of aluminium combined with the advantage of the high strenght of the resin mortar and the iron reinforcement, a combination of advantages allowing the industrial production and use of the beam in a great number of applications in the field of construction works and any other type of construction.

IPC 1-7  
**E04C 3/29**

IPC 8 full level  
**E04C 3/29** (2006.01)

CPC (source: EP)  
**E04C 3/29** (2013.01)

Citation (search report)  

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US6086084A; US6409183B1

Designated contracting state (EPC)  
AT BE CH DE DK ES FR GB IE IT LI LU MC NL PT SE

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