

Title (en)  
A STURDY I-GIRDER

Publication  
**EP 0079761 B1 19860226 (EN)**

Application  
**EP 82306003 A 19821111**

Priority  
FI 813663 A 19811118

Abstract (en)  
[origin: EP0079761A1] The invention relates to a sturdy I-girder. In the previously used corresponding girders, for example in I-girders made of laminated wood, it has not been possible to adjust the dimensioning so that bending stress, shearing stress and bending flexure would all have been equal dimensioning factors, and so it has been necessary to overdimension the girder. The object of the invention is in particular to eliminate this disadvantage and to achieve thereby a considerable saving in material. This is achieved by making the web (u) of the girder from continuous multi-ply wood with 10-60 %, preferably 30 %, of its plies being such that their grain orientation is transverse in relation to the web length and the remainder of the plies being such that their grain orientation is parallel to the web length. The booms(p) of the girder are made from multi-ply wood the plies of which have their grain orientation parallel to the web length.

IPC 1-7  
**E04C 3/14**

IPC 8 full level  
**E04C 3/14** (2006.01)

CPC (source: EP)  
**E04C 3/14** (2013.01)

Cited by  
FR2764622A1; FR2599770A1; US4669243A; US5377472A; US5974760A; US6173550B1; EP3919698A1; WO2021245177A1; EP4234831A2; EP4234832A2

Designated contracting state (EPC)  
CH DE FR LI SE

DOCDB simple family (publication)  
**EP 0079761 A1 19830525; EP 0079761 B1 19860226**; CA 1196169 A 19851105; DE 3269471 D1 19860403; DK 511282 A 19830519; FI 62887 B 19821130; FI 62887 C 19831205

DOCDB simple family (application)  
**EP 82306003 A 19821111**; CA 415638 A 19821116; DE 3269471 T 19821111; DK 511282 A 19821117; FI 813663 A 19811118