

Title (en)

CONNECTION DEVICE FOR COUPLING BETWEEN A CONCRETE FLOOR AND A COLUMN, AND BUILDING

Publication

EP 0318712 B1 19920122 (DE)

Application

EP 88118231 A 19881102

Priority

CH 465387 A 19871130

Abstract (en)

[origin: EP0318712A1] The connection device for coupling between a concrete floor (18) and a column (16) has a central diagonal strut (27) with an edge girder (19) bordering this diagonal strut (27), as well as connecting means (20, 24) projecting outwardly and inwardly from the edge girder (19). A central head plate (21) is additionally provided. The connecting means are welded bolts (20, 24). They may, however, also be steel hoops, screw bolts, rolled sections or tubular portions. Compared with the prior art, this connection device exhibits lower material consumption for the same stresses. It provides advantageous force relationships in the region of the support of the floor (18) on the column (16). It therefore requires a minimal amount of material for given force relationships and is thus less damaging to the environment. <IMAGE>

IPC 1-7

E04B 5/43

IPC 8 full level

E04B 5/43 (2006.01); **E04C 5/06** (2006.01)

CPC (source: EP)

E04B 5/43 (2013.01); **E04C 5/0645** (2013.01)

Cited by

US5867960A; DE19741509B4; AT503475B1; US6058669A; EP0557731A1; GB2235221A; GB2235221B; EP1180565A1; DE102004005916A1; US2011094182A1; US8166717B2; WO9528534A1; WO9736067A1

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EP 0318712 A1 19890607; **EP 0318712 B1 19920122**; AT E72001 T1 19920215; DE 3868025 D1 19920305; NO 884885 D0 19881102

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