

Title (en)
Construction system.

Title (de)
Konstruktionssystem.

Title (fr)
Ouvrage de construction.

Publication
EP 0352566 A1 19900131 (FR)

Application
EP 89112911 A 19890714

Priority
CH 287488 A 19880728

Abstract (en)
The concrete slab (1) rests, by means of small shuttering boards (7) which remain visible when the construction is completed, on shoulders (6) presented by the beams (2), provided on either side of a narrow portion (2b) of each of the said beams surmounting the main body (2a) of the latter. The portions (2b) are perforated with transverse holes (3) which pass right through and have a diameter which is sufficient for the concrete to penetrate therein and to form sprues therein which provide the join between the said beams and the slab (1), in such a manner that the beams form reinforcement tie rods for the slab and such that the shearing forces are thus absorbed. The concrete sprues passing through the holes (3) are reinforced by metal rods (4) folded into the form of clamps and by straight metal rods (5) extending over the entire length of the slab, passing through all of the construction beams in succession. <IMAGE>

Abstract (fr)
La dalle de béton (1) repose, par intermédiaire de planchettes de coffrage (7) qui restent apparentes une fois l'ouvrage terminé, sur des épaulements (6) que présentent les poutres (2), ménagés de part et d'autre d'une partie étroite (2b) de chacune desdites poutres surmontant le corps principal (2a) de celle-ci. Les parties (2b) sont percées de trous transversaux traversants (3), d'un diamètre suffisant pour que le béton y pénètre et y forme des carottes assurant la liaison entre lesdites poutres et la dalle (1), de telle manière que les poutres constituent des tirants d'armature de la dalle et que les efforts tranchants soient ainsi absorbés. Les carottes de béton traversant les trous (3) sont armées par des fers (4) pliés en forme d'étriers de même que par des fers rectilignes (5) s'étendant sur toute la longueur de la dalle en traversant successivement l'ensemble des poutres de l'ouvrage.

IPC 1-7
E04B 5/12; E04B 5/23

IPC 8 full level
E04B 5/12 (2006.01); **E04B 5/23** (2006.01)

CPC (source: EP)
E04B 5/12 (2013.01); **E04B 5/23** (2013.01); **E04B 2005/235** (2013.01); **E04B 2005/237** (2013.01)

Citation (search report)
• [Y] GB 681421 A 19521022 - ANDERS BERNHARD NILSSON
• [Y] FR 901600 A
• [A] CH 422276 A 19661015 - PUGIN WILLY [CH]
• [A] US 2035296 A 19360324 - EVERETT BURBANK CLEMENT, et al
• [A] CH 663980 A5 19880129 - NAEF AG GEB
• [A] FR 2568610 A1 19860207 - HALDI ROBERT [CH]

Cited by
WO9411589A1; EP0952271A3; EP2072705A1; FR3131339A1; DE4415906A1; AT520303A4; AT520303B1; FR2760478A1; US2018347191A1; WO2019157544A1; EP1992755A2

Designated contracting state (EPC)
AT DE FR IT

DOCDB simple family (publication)
EP 0352566 A1 19900131; EP 0352566 B1 19911227; AT E70876 T1 19920115; CH 677122 A5 19910415; DE 68900603 D1 19920206

DOCDB simple family (application)
EP 89112911 A 19890714; AT 89112911 T 19890714; CH 287488 A 19880728; DE 68900603 T 19890714