Title (en)

System for the construction of mixed wood and concrete floors

Title (de)

Bausystem für Holzbetonverbunddecke

Title (fr)

Système de construction pour planchers mixtes en bois et béton

Publication

EP 1582644 B1 20080312 (EN)

Application

EP 05004976 A 20050308

Priority

IT PC20040010 A 20040331

Abstract (en)

[origin: EP1582644A1] This invention relates to a system for the construction of mixed floors, of the type in which a concrete slab is supported by wooden beams.In particular, the invention relates to A System for the construction of mixed wood and concrete floors, wherein in order to join the wood and concrete firmly, a plurality of seatings (4) with undercuts are cut into the wooden beams, and a set of interconnection elements (3) are inserted into said seatings and project from them for a certain distance, so that they are embedded in the concrete that completes the slab.The seatings (4) cut into the wooden beams have a dovetailed cross-section, said connectors (3) are shaped so that they can be inserted like a spring into said seatings, with ends (7) projecting from the seatings so that they are embedded in the concrete, and said elements are elastically deformed by bringing the wings closer together so that they can be inserted in said seatings.As the connectors are fitted simply by inserting them by hand into their seatings, with no need for the use of tools or the like, the work is accelerated, and the system is not only cheaper but also accelerates floor construction operations.

IPC 8 full level

E04B 5/23 (2006.01)

CPC (source: EP)

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Cited by

EP2636809A1; EP1972736A3; EP1992754A3; EP3556958A1; US10156068B2; DE102013106918B3; EP2821561A1; EP1972736A2

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