

Title (en)
FLOOR BEAM FOR BUILDINGS AND BRIDGES

Title (de)
BODENBALKEN FÜR GEBÄUDE UND BRÜCKEN

Title (fr)
POUTRELLE POUR BÂTIMENTS ET PONTS

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Application
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Abstract (en)
The present invention relates to a floor beam for use as a load-bearing beam for floors in houses and bridges. The floor beam comprises an elongated beam (1) having an upper side (1a) and a lower side (1b) extending in the longitudinal direction of the beam (1) and two opposite long sides (1c). The beam (1) comprises a plurality of wooden slats (5, 5a) which are stacked along the height of the beam (1) to form a glulam beam, and a bottom flange (2) fixed to the lower side (1b) of the beam (1) and extending along the beam (1) in the longitudinal direction of the beam. The bottom flange (2) being fixed to the beam (1) with a plurality of elongate fastening elements (3). The bottom flange (2) is made of steel and projects from the beam (1) on each side of the beam (1), wherein each of the projecting parts (2a, 2b) of the bottom flange (2) has a width that is at least 20% wider than the distance between the long sides (1c) of the beam, and at least the upper wooden slat (5a) is made of a sort of wood that is harder than spruce.

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Citation (applicant)
• US 2601910 A 19520701 - NICHOLS THOMAS F
• WO 2017064334 A1 20170420 - ALDEA SOPHIA SL [ES]

Citation (search report)
• [X1] RU 190912 U1 20190716
• [A] WO 8600362 A1 19860116 - ENGBRETSSEN ARNE
• [A] RU 2022109 C1 19941030 - VORONEZH INZH STR I [RU]
• [A] CN 108532828 A 20180914 - UNIV CENTRAL SOUTH FORESTRY & TECHNOLOGY
• [AD] WO 2017064334 A1 20170420 - ALDEA SOPHIA SL [ES]
• [AD] US 2601910 A 19520701 - NICHOLS THOMAS F

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