

Title (en)

Reinforcement for supported concrete floor in the neighbourhood of the supports and method for making it

Title (de)

Bewehrung für gestützte Betondecken im Bereiche von deren Stützen sowie Verfahren zu deren Herstellung

Title (fr)

Armature pour plancher en béton pourvue d'armatures aux abords des supports et son procédé de fabrication

Publication

EP 0688613 B1 20010725 (DE)

Application

EP 95108958 A 19950610

Priority

CH 202694 A 19940624

Abstract (en)

[origin: EP0688613A1] The reinforcement for concrete ceilings in the regions of the supports consists of longitudinal and connector elements. It is characterised by the fact that the longitudinal elements (61) are bent into a shape corresponding to the curve of periodic and/or aperiodic modes of oscillation. Such a reinforcement is produced by bending a grid consisting of longitudinal and connector rods (61,62) about a bending axis oriented parallel to one of the connector rods (62). The bending machine incorporates at least three bending units which in a coordinated manner bend the grid into at least one wave. Pref. the longitudinal (61) and connector (62) elements respectively within their own arrays are oriented parallel to one another. The reinforcement shape approximates rectangular or arcuate waveforms (or their combinations) with constant amplitudes. The bending machine is provided with a unit for coordination of the motion of its bending units which are made up of bending bars and corresponding opposing elements. <IMAGE>

IPC 1-7

B21D 11/12; **E04C 5/06**

IPC 8 full level

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CPC (source: EP)

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Cited by

DE10202115B4; AT513742A4; AT513742B1; FR3114330A1; FR2800648A1; EP2363546A1; ITMI20100357A1; WO2005003482A1; EP1932978A1; WO9927210A1; WO2022058695A1

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