

Title (en)
PROCESS FOR REINFORCING WOODEN BEAMS, AND BEAMS SO OBTAINED

Publication
EP 0034224 A3 19820915 (FR)

Application
EP 80200431 A 19800508

Priority
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Abstract (en)
[origin: EP0034224A2] In a process for strengthening wooden beams, a strengthening beam is glued to the main beam over the whole of its length. The two beam are positioned in the correct register w.r.t. each other with a layer of a fibre mat between the beams. A number of anchoring holes are drilled through the beams and the fibre mat and strengthening rods are introduced into the holes. The seam between the two beams is then sealed and an epoxy resin (mixt.) is poured into the anchor holes until these are completely full and the fibre mat is saturated. Process allows in-situ restoration of old beams or strengthening of existing beams to provide extra load bearing capacity.

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B27M 3/00

IPC 8 full level
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CPC (source: EP)
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Citation (search report)
• [Y] DE 2451639 A1 19760506 - BINKER HANS
• [Y] DE 2510262 A1 19760909 - BINKER HANS
• [Y] FR 2195745 A1 19740308 - BALM BV [NL]
• [A] NL 7207255 A 19731203
• [A] CH 398023 A 19650831 - KENGETER KURT [CH]
• [A] FR 1310120 A 19630306

Cited by
FR2585393A1; FR2546439A1; GB2134956A; NL2014680A; EP0163781A1; EP1596017A3; EP2868828A1; FR3012496A1; EP2868829A1; FR3012497A1; FR2871089A1; GB2150969A; EP2350408A4; EP2868841A1; FR3012495A1; US11028604B2; WO2016171555A1; WO2008148897A1; WO2010057243A1; US8910454B2; US9605431B2

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