

Title (en)
Reinforcement device

Title (de)
Verstärkungsvorrichtung

Title (fr)
Dispositif de renforcement

Publication
EP 0699805 A1 19960306 (EN)

Application
EP 95306099 A 19950831

Priority
GB 9417507 A 19940831

Abstract (en)
A reinforcement device for connection to a structure (4), comprising: a reinforcement member (18) having a hook portion (22) for engagement around a coupling element (10,28) secured to the structure (4); and a connector (26) having spaced-apart openings (46,48) receiving opposite limbs of the hook portion (22), thereby to prevent displacement of the limbs away from each other and to provide a tight connection. The coupling element (10,28) may comprise a pair of spaced-apart loops (10) of reinforcement element embedded at their ends in the structure (4). When the hook portion (22) is aligned with the loops (10) a removable bar (28) is inserted through the loops (10) and the hook portion (22) to secure the hook portion (22) to the structure (4). The connector (26) is then fixed to the reinforcement member (18) to hold the two limbs of the hook portion (22) together. In this way, the reinforcement member (18) is securely connected to the structure (4). A plurality of reinforcement members (18) may be connected to a structure (4) using a single removable bar (28) which runs through respective pairs of loops (10) and corresponding hook portions (22). <MATH>

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CPC (source: EP)
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Citation (search report)
• [A] EP 0492975 A1 19920701 - MARTINEZ GONZALEZ HECTOR SAMUE [MX]
• [A] US 5190413 A 19930302 - CAREY JOHN M [US]
• [A] DE 2753243 A1 19790607 - BAYER AG, et al
• [A] US 4341491 A 19820727 - NEUMANN ALBERT

Cited by
CN112921727A; FR2796971A1; DE29605181U1; ES2215437A1; FR2869051A1; FR2796972A1; US6675547B1; WO0109439A1; WO2011006036A3

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