

Title (en)
Ladder spacer

Title (de)
Leiterförmiger Abstandhalter

Title (fr)
Espaceur en forme d'échelle

Publication
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Application
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Abstract (en)
[origin: EP1156173A2] This invention relates to a ladder spacer, and in particular to a ladder spacer for use with a reinforcing cage for a reinforced concrete structure. The reinforced concrete structure may be in the form of a column or pile or in the form of a diaphragm wall panel. According to the invention there is provided a ladder spacer (10) for a reinforcing cage (22), the ladder spacer comprising at least one bar (12; 28) adapted for securement to a part of a reinforcing cage (22), and at least one spacer means (14; 30; 50) secured to the bar, characterised in that the bar is formed non-linear. The bar(s) may be formed curved to engage the periphery of a pile cage, or may be of "L"-shape to engage the planar face and edge of a diaphragm wall panel. <IMAGE>

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• [XA] DE 29617144 U1 19961114 - TILETSCHKE LOTHAR [DE]
• [X] US 4441527 A 19840410 - TOLLIVER WILBUR E [US]
• [DX] EP 0608068 A1 19940727 - GRAY ENG LTD [GB]
• [A] US 4494576 A 19850122 - BUTTNER ROBERT C [US]
• [PX] GB 2348914 A 20001018 - ROM LIMITED [GB]

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