

Title (en)
REINFORCEMENT SYSTEM PREVENTING SHEARING

Publication
EP 0184995 B1 19910731 (DE)

Application
EP 85810587 A 19851211

Priority
CH 591084 A 19841212

Abstract (en)
[origin: EP0184995A2] Until now, areas of flat roofs (2) which are liable to get perforated, for example near a support (1), have required an extremely complex reinforcement of crosswise-arranged layers of reinforcement bars at the top and at the bottom, connected by innumerable shear ties which have to be positioned individually. The new shear reinforcement system, however, uses a shear basket element (3) which connects the required shear ties by means of connecting rods to form an integral component extending across the endangered area, is placed on the bottom reinforcement layer (5) and extends from the bottom reinforcement (4, 5) up to the top reinforcement (4', 5'), the internal layer (4') of which can be readily inserted into the hook shaped ends of the shear ties which are aligned with each other. This means they do not need to be inserted from the longitudinal side, and the height of the shear ties combined in the shear basket element (3) ensures the statically correct position of the top reinforcement (4', 5'), without a spacer element being required therefor. This results overall in substantial savings in labour hours. <IMAGE>

IPC 1-7
E04C 5/01; **E04C 5/06**

IPC 8 full level
E04B 5/43 (2006.01); **E04C 5/01** (2006.01); **E04C 5/06** (2006.01)

CPC (source: EP)
E04B 5/43 (2013.01); **E04C 5/0645** (2013.01)

Cited by
US6058669A; EP0414484A1; GB2328455A; DE10312181A1; DE10312181B4; EP2363546A1; ITMI20100357A1; FR3114330A1; EP0781891A1; EP0414485A3; GB2235226A; GB2235226B; EP2290167A1; WO2005003482A1; WO9736067A1; WO2011067027A1; WO2022058695A1

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