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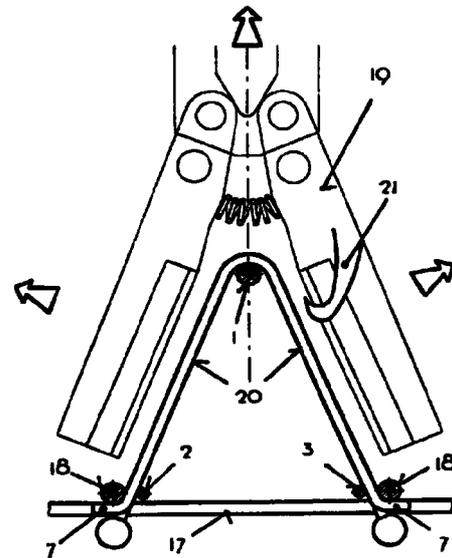
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(54) **Wire lattice girder combinable with arc-welded steel mesh**

(57) The present invention relates to a metal lattice girder made with wire and/or rod iron (1, 2, 3) of homogeneous and non-homogeneous cross section, of varied lateral structural composition, having the characteristic of being such as to hook up by means of the bent portions (7) of the lateral spacers (20) and combinable with arc-welded wire netting having square or rectangular meshes (17, 18). The tongs (19) with a claw hook (21) catch the upper longitudinal wire (1) of the lattice girder for transporting the girder and press laterally on the lateral spacers (20), bending them inwardly to allow them to be set down onto the wire (17) and guide the coupling of the bent portions (7) with the parallel wires (18) of the arc-welded steel mesh. This is achieved by releasing the force on the tongs (19) and, with the springback of the sides of the lattice girder, the terminals of the spacers hook up with the wires (18) of the mesh, locking in place and thereby forming a combined three-dimensional structure consisting of the wire lattice girder and arc-welded steel mesh.





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EUROPEAN SEARCH REPORT

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EP 98 10 2581

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.6)
Y	DE 37 06 611 A (ERTL ADOLF) 8 September 1988	1	E04C5/06
A	* column 4, line 14 - column 7; figures * ---	2-4,7	
Y	DE 20 55 460 A (RHEINBAU GMBH) 8 June 1972	1	
A	* page 4, last paragraph - page 7, paragraph 2; figures 1-4 * ---	2-4,7	
A	DE 24 01 297 B (KELLER) 12 June 1975 * column 3, line 44 - column 4, line 29; figures 4,5 * ---	1-4,7	
A	DE 27 59 229 A (WOCHNER SEBASTIAN KG) 5 July 1979 * page 13 - page 17; figures * ---	1-4,7	
A	DE 37 07 792 A (ERTL ADOLF) 22 September 1988 * column 4; figures * ---	1-4,7	
A	WO 95 22669 A (AVI ALPENLAENDISCHE VERED ;RITTER GERHARD (AT); RITTER KLAUS (AT);) 24 August 1995 * page 4, line 35 - page 5, column 24; figure * ---	1,2,4	TECHNICAL FIELDS SEARCHED (Int.Cl.6) E04C
A	EP 0 649 948 A (WEBER HAUS GMBH & CO KG) 26 April 1995 * column 5, line 31 - column 7, line 16; figures * -----	1-4	
The present search report has been drawn up for all claims			
Place of search BERLIN		Date of completion of the search 11 November 1998	Examiner Paetzel, H-J
CATEGORY OF CITED DOCUMENTS		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons ----- & : member of the same patent family, corresponding document	
X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document			

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