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(54) **System of collecting and discharging bars in cross particularly transfer plate for rolling plants in hot condition with fixed receiving channels with movable closures.**

(57) Device for collecting and discharging bars (1) in cross transfer plate (6-7) particularly for rolling plants in hot conditions with channels of fixed receivers with movable closures, characterized in that it includes at least two sectors (1,16) with upper section on which channel of receiving the bars are received (11,13) having at least one couple of channels open on side for each of them (14-15) disposed to grading, with orientation toward a cross transfer plate (6-7) with close-channel-means to upper tilted plane, movable in forward and backward (4-5) inside drive canes (12-17), overflowing and disappearing over and under or in alignment with said channels (11-13) that allows the sliding of the bars from the channels towards the said plates there are more channels open laterally (3) by said channels (11/14-13/15) toward said plate (6-7); in that when the closing channels (4-5) are lifted realizing channels of closed receiving for the bars (3) through a lateral wall of said close-channel-means (4-5) and to their lowering the respective tilted plane of the close-channel-means are possible the lateral sliding of the respective bar (3) toward the cooling plate (6-7), and in which under said upper channels (11-13) there are further open channels laterally to "C" (14-15) that can be activated alternatively to the previous for the receiving of bars (31) by means of variation of the

excursion stroke of forward and backward of said close-channel-means to tilted plane (4-5).

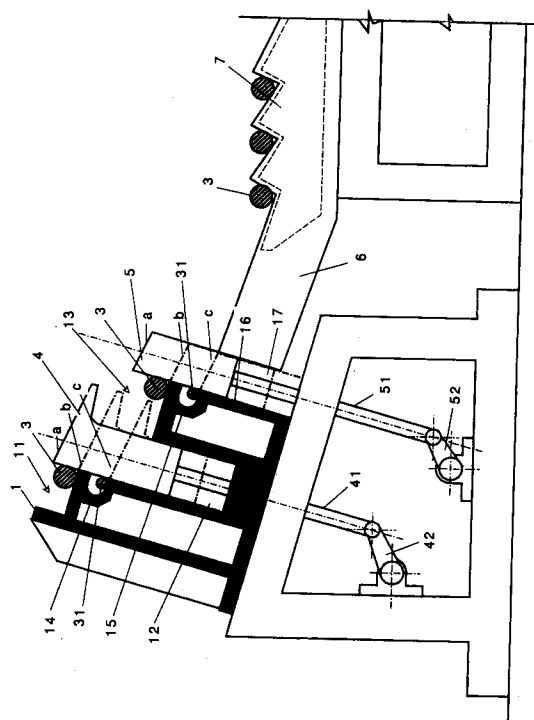


FIG. 1

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## EUROPEAN SEARCH REPORT

Application Number

**EP 91 11 0345**

### 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.5)
P,A	EP-A-0 400 280 (S.I.M.A.C S.P.A.) * claims 1,2; figure 1 * - - -	1	B 21 B 43/00
X	US-A-3 112 021 (FORSBERG) * figures 5-8,11-15; claim 1 * - - -	1,2	
Y	EP-A-0 319 317 (MORGAN) * figure 3, positions 30a-c,A,B; claim 1 * - - -	1,2	
Y	DE-C-534 696 (KRUPP) * claim 1; figure 1 * - - -	1,2	
A	DE-A-3 634 067 (THÄLMANN) * figure 2 * - - - - -	1	
The present search report has been drawn up for all claims			TECHNICAL FIELDS SEARCHED (Int. Cl.5)
			B 21 B
Place of search		Date of completion of search	Examiner
Berlin		02 January 92	SCHLAITZ J
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