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## EUROPEAN PATENT APPLICATION

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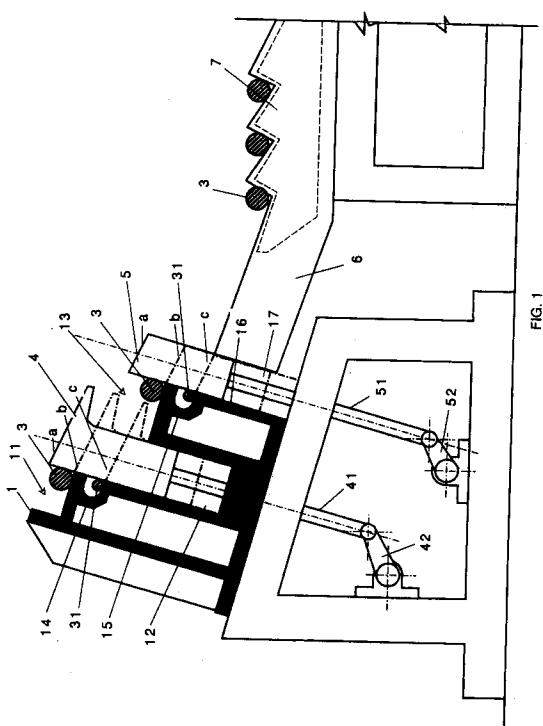
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㉕ System of collecting and discharging bars in cross particularly transfer plate for rolling plants in hot condition with fixed receiving channels with movable closures.

㉖ 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).





EUROPEAN SEARCH  
REPORT

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
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X	US-A-3 112 021 (FORSSBERG) * figures 5-8,11-15; claim 1 *	1,2	
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Y	EP-A-0 319 317 (MORGAN) * figure 3, positions 30a-c,A,B; claim 1 *	1,2	
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Y	DE-C-534 696 (KRUPP) * claim 1; figure 1 *	1,2	
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A	DE-A-3 634 067 (THÄLMANN) * figure 2 *	1	
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			TECHNICAL FIELDS SEARCHED (Int. Cl.5)
			B 21 B

The present search report has been drawn up for all claims

Place of search	Date of completion of search	Examiner
Berlin	02 January 92	SCHLAITZ J
<b>CATEGORY OF CITED DOCUMENTS</b>		
X: particularly relevant if taken alone		E: earlier patent document, but published on, or after the filing date
Y: particularly relevant if combined with another document of the same category		D: document cited in the application
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O: non-written disclosure		.....
P: intermediate document		.....
T: theory or principle underlying the invention		&: member of the same patent family, corresponding document