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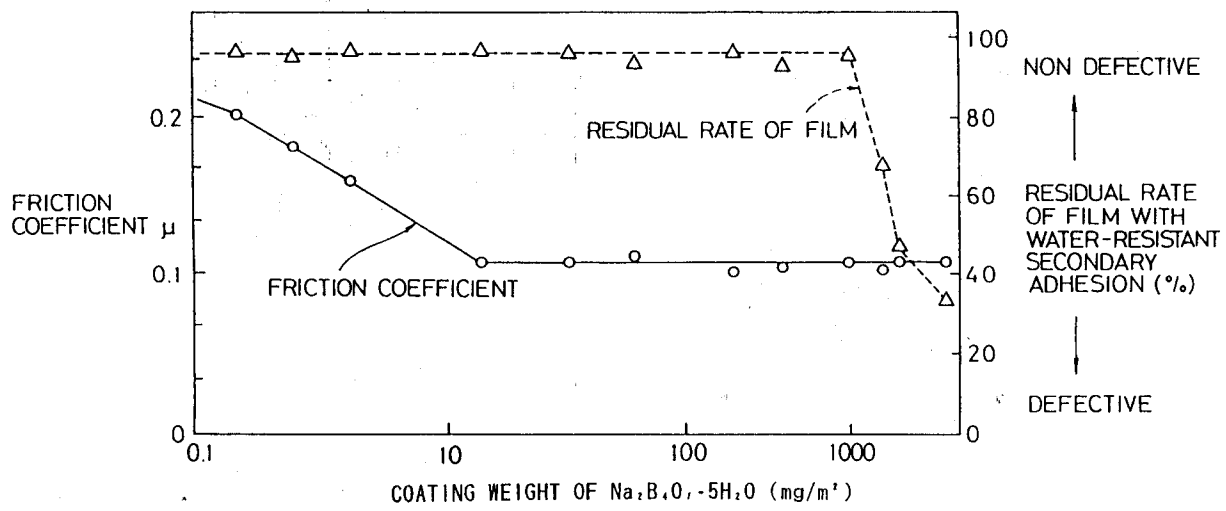
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(54) **A galvanized steel sheet with high press formability and a method for manufacturing the same.**

(57) There is provided a galvanized steel sheet with high press formability, which has an inorganic compound on a metallic galvanized layer thereof. The galvanized steel sheet according to the present invention is manufactured by bringing the plating surface of the galvanized steel sheet into contact with a water solution containing 0.1 wt% or more of a borate of alkaline metal, and then drying the steel

sheet by heating within a temperature range of 60 to 400° C. The friction coefficient of the galvanized steel sheet of the invention is 80% or less of the friction coefficient obtained without the existence of the inorganic compound on the metallic galvanized layer and the amount of insoluble slimes of the inorganic compound left after water washing or alkali degreasing is less than 1 mg/m².

Fig.1





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EUROPEAN SEARCH REPORT

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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)
X	FR-A-2 629 103 (SOLLAC) * page 1, line 23 - line 34 *	1, 2	C10M103/06 C10M173/02
Y	* page 2, line 10 - line 36 * * page 3, line 11 - line 15 * * page 3, line 36 - page 4, line 8 * * page 5, line 6 - line 12 * ---	3, 4	/(C10M173/02, 103:06) C10N40:24,50:02, 70:00,80:00
Y	FR-A-1 347 427 (PAROXITE) * page 1, column 1, line 1 - line 8 * * page 1, column 2, line 35 - page 2, column 1, line 32 * ---	3, 4	
D,X	WORLD PATENTS INDEX LATEST Week 8933, Derwent Publications Ltd., London, GB; AN 89-237899 & JP-A-1 172 578 (KAWASAKI STEEL KK) 7 July 1989 * abstract * ---	5	
A	GB-A-1 083 474 (THE LUBRIZOL CORPORATION) * page 10, line 3 - line 31 * * page 11; example F * ---	3	TECHNICAL FIELDS SEARCHED (Int. Cl.5)
A	AT-A-348 308 (SERVIMETAL) ---		C10M B21C
A	DE-A-2 751 222 (BBC AG BROWN) -----		
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 29 NOVEMBER 1991	Examiner HILGENA K.J.
CATEGORY OF CITED DOCUMENTS 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 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			