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(54) Title: COATED METAL SUBSTRATES AND METHODS FOR PREPARING AND INHIBITING CORROSION OF THE SAME

(57) Abstract: The present invention provides a metal substrate coated with a first pretreatment composition including a transition element-containing material having one or more Group IIIB elements, Group IVB elements, lanthanide series elements or mixtures thereof; and a second pretreatment composition including a reaction product of at least one epoxy-functional material or derivative thereof and at least phosphorus-containing material, amine-containing material and/or sulfur-containing material deposited upon the first pretreatment composition. If desired, the first and second pretreatment compositions can be combined into a single pretreatment.

INTERNATIONAL SEARCH REPORT

Inte ional Application No
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A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 C23C22/83 C23C22/34 C23C22/68

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 C23C

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)
EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
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X,P	WO 00 32351 A (PPG IND OHIO INC) 8 June 2000 (2000-06-08) the whole document --- -/--	1-5, 8-10, 12-15, 18-21, 23-43

[X] Further documents are listed in the continuation of box C.

[X] Patent family members are listed in annex.

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Date of the actual completion of the international search	Date of mailing of the international search report
25 September 2001	02/10/2001

Name and mailing address of the ISA	Authorized officer
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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

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