

Title (en)
METHODS FOR TREATING A FERROUS METAL SUBSTRATE

Title (de)
VERFAHREN ZUR BEHANDLUNG EINES EISENMETALLSUBSTRATS

Title (fr)
PROCÉDÉS DE TRAITEMENT D'UN SUBSTRAT MÉTALLIQUE FERREUX

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Application
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Abstract (en)
[origin: WO2014137796A1] Disclosed are methods for treating and coating a ferrous metal substrate, such as cold rolled steel, hot rolled steel, and electrogalvanized steel. These methods include contacting the ferrous metal substrate with an aqueous pretreatment composition comprising: (a) a Group IIIB and/or IVB metal compound; (b) phosphate ions; and (c) water. Also disclosed are off-shift methods of removing iron from the pretreatment bath.

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