

Title (en)
GALVANIZED STEEL SHEET AND METHOD FOR MANUFACTURING THE SAME

Title (de)
GALVANISIERTES STAHLBLECH UND HERSTELLUNGSVERFAHREN DAFÜR

Title (fr)
TÔLE D ACIER GALVANISÉ ET SON PROCÉDÉ DE PRODUCTION

Publication
EP 2366812 A4 20120425 (EN)

Application
EP 09833249 A 20090422

Priority
• JP 2009058426 W 20090422
• JP 2008319131 A 20081216

Abstract (en)
[origin: WO2010070942A1] Provided is a method for manufacturing a galvanized steel sheet, wherein: a steel sheet is galvanized, the surface is exposed for 1 to 60 seconds to an aqueous solution with a pH of 4-6 and a temperature of 20-70°C containing zinc ion with a concentration in the range of 5-100g/l, and then the steel sheet is washed and dried. An example of an ideal zinc-containing solution would be, for instance, a solution that contains zinc sulfate. The aforementioned method enables an oxide layer, mainly composed of zinc with an average thickness of no less than 10nm, to be formed on the surface of the steel sheet, thereby enabling a galvanized steel sheet with excellent press-formability to be manufactured in a stable manner and over a short period of time.

IPC 8 full level
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C23C 28/345 (2013.01 - EP)

Citation (search report)
• [E] EP 2186925 A1 20100519 - JFE STEEL CORP [JP]
• [XP] EP 2014783 A1 20090114 - JFE STEEL CORP [JP]
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