

Title (en)  
HIGH STRENGTH HOT DIP GALVANISED STEEL STRIP

Title (de)  
HOCHFESTER FEUERVERZINKTER BANDSTAHL

Title (fr)  
ACIER EN BANDES GALVANISÉ À CHAUD À HAUTE RÉSISTANCE

Publication  
**EP 2768989 A1 20140827 (EN)**

Application  
**EP 12759372 A 20120912**

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Abstract (en)  
[origin: WO2013037485A1] The invention relates to a high strength hot dip galvanised steel strip consisting, in mass percent, of the following elements: 0.13 - 0.19 % C 1.70 - 2.50 % Mn max 0.15 % Si 0.40 - 1.00 % Al 0.05 - 0.25 % Cr 0.01 - 0.05 % Nb max 0.10 % P max 0.004 % Ca max 0.05 % S max 0.007 % N and optionally at least one of the following elements: max 0.50 % Ti max 0.40 % V max 0.50 % Mo max 0.50 % Ni max 0.50 % Cu max 0.005 % B the balance being Fe and inevitable impurities, wherein 0.40 % < Al + Si < 1.05 % and Mn + Cr > 1.90 %. This steel offers improved formability at a high strength, has a good weldability and surface quality together with a good producability and coatability.

IPC 8 full level  
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Citation (third parties)  
Third party :  
• JP H01127623 A 19890519 - SUMITOMO METAL IND  
• US 2009211668 A1 20090827 - ISHIZUKA KIYOKAZU [JP], et al  
• JP 2010255100 A 20101111 - JFE STEEL CORP  
• FI 20090387 A 20110424 - RAUTARUUKKI OYJ [FI]  
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• See also references of WO 2013037485A1

Cited by  
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