

Title (en)  
DUAL PHASE STEEL STRIP SUITABLE FOR GALVANIZING

Title (de)  
FÜR DAS GALVANISIEREN GEEIGNETES ZWEIPHASENSTAHLBAND

Title (fr)  
FEUILLARD ACIER A PHASE DUALE CONVENANT POUR LA GALVANISATION

Publication  
**EP 1682686 B1 20141112 (EN)**

Application  
**EP 04752656 A 20040517**

Priority  
• US 2004015675 W 20040517  
• US 0335095 W 20031104

Abstract (en)  
[origin: WO2005047550A1] Dual phase steel sheet is made using a time/temperature cycle including a soak at about AC1+45°F to AC1+135°F and a hold at 850-940F, where the steel has the composition in weight percent, carbon: 0.02-0.20; aluminum: 0.010-0.150; titanium: 0.01 max; silicon: 0.5 max; phosphorous: 0.060 max; sulfur: 0.030 max; manganese: 0.8-2.40; chromium: 0.03-1.50; molybdenum: 0.03 -1.50; with the provisos that the amounts of manganese, chromium and molybdenum have the relationship: (Mn + 6Cr + 10 Mo) = at least 3.5%. The sheet is preferably in the form of a strip suitable for coating in a continuous galvanizing or galvannealing line, and the product is predominantly ferrite and martensite. The strip may be galvanized or galvannealed at a temperature within thirty degrees F of the temperature of the bath.

IPC 8 full level  
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CPC (source: EP US)  
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