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(54) Title:	High strength galvanized steel sheet and method of producing such steel sheet
(56) Cited documents:	JP 2013108154 A
(57) Abstract:	

The invention relates to a high strength galvanized steel sheet having a composition consisting of the following elements (in wt. %): 0.10-0.2 C, 2.0-3.0 Mn, 0.2-0.5 Si, 0.1 -0.7 Cr, 0.01 -0.07 Ti, ≤ 0.2 Al, ≤ 0.05 Nb, ≤ 0.1 Mo and optionally 0.001 -0.005 B. The balance being Fe apart from impurities.

The steel sheet has a multiphase microstructure comprising mainly bainite and tempered martensite.

The steel sheet has excellent bendability and at least one of the following mechanical properties:

- a tensile strength (R_m) 1180 - 1300 MPa
- a yield strength ($R_{p0.2}$) 800 - 970 MPa
- an elongation (A_{50}) > 8 %
- an elongation (A_{50}) > 6 %