

Title (en)  
HIGH STRENGTH COLD ROLLED STEEL PLATE AND METHOD FOR PRODUCTION THEREOF

Title (de)  
HOCHFESTE KALTGEWALZTE STAHLPLATTE UND HERSTELLUNGSVERFAHREN DAFÜR

Title (fr)  
TOLE D'ACIER LAMINE A FROID A HAUTE RESISTANCE ET PROCEDE DE FABRICATION

Publication  
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Application  
**EP 03736017 A 20030604**

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Abstract (en)  
The present invention provides a high strength cold-rolled steel sheet, consisting essentially of, by mass%, 0.04 to 0.10% C, 0.5 to 1.5% Si, 1.8 to 3% Mn, 0.02% or less P, 0.01% or less S, 0.01 to 0.1% Sol. Al, 0.005% or less N, and the balance being iron and inevitable impurities, and having a structure which substantially comprises ferrite phase and martensite phase. Since the high strength cold-rolled steel sheet of the invention has ductility in which an elongation is 18% or more, excellent stretch-flangeability in which a hole-expanding ratio is 60% or more and a tensile strength of 780 MPa or more, it is favorable for use in a structural member of automobile.

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