

Title (en)
Steel sheet with good forming properties and method for producing the same

Title (de)
Stahlband mit guten Umformeigenschaften sowie Verfahren zum Herstellen desselben

Title (fr)
Feuillard d'acier présentant de bonnes propriétés et son procédé de production

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Application
EP 02012152 A 19991222

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Abstract (en)
[origin: WO0040765A1] The invention relates to a method for producing band-shaped steel for components which are produced by drawing and ironing. The invention also relates to a steel band which can be drawn or ironed and which has been produced by the inventive method. The hot strip is cold-worked in one or more steps at a ratio of the cold roll of at least 86 %. Furthermore, at least one side of the band material is provided with a galvanically produced coating containing Ni, Co, Cu, Fe, Sn, In, Pd, Bi and/or the alloys thereof or with a roll-bonded coating containing Cu and/or brass and/or the alloys thereof. The aim of the invention is to carry out the inventive method with the fewest processing steps possible and with low production costs. The method therefore comprises the steps: etching, cold rolling in one or two steps, annealing the coiled band (coil-annealing), optionally rerolling the band. The hot strip preferably contains boron with a percentile of 0.0013 and 0.0060 percent by weight, whereby the weight ratio of boron to nitrogen amounts to 0.5 to 2.5.

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