

Title (en)
STEEL SHEET FOR HARDENING, HARDENED MEMBER, AND METHOD FOR MANUFACTURING STEEL SHEET FOR HARDENING

Title (de)
STAHLBLECH ZUR AUSHÄRTUNG, AUSGEHÄRTETES ELEMENT UND VERFAHREN ZUR HERSTELLUNG DES STAHLBLECHS ZUR AUSHÄRTUNG

Title (fr)
TÔLE D'ACIER DESTINÉE À ÊTRE DURCIE, ÉLÉMENT DURCI ET PROCÉDÉ DE FABRICATION DE TÔLE D'ACIER DESTINÉE À ÊTRE DURCIE

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Application
EP 17759471 A 20170123

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Abstract (en)
[origin: EP3421631A1] An aspect of the present invention is a steel sheet for quench hardening, satisfying a prescribed composition and having a Mn concentration satisfying the formula (1): $S1 + S2 < -10 \times [Mn] + 44$ (1), where [Mn] is Mn concentration in a steel sheet analyzed by inductively coupled plasma emission spectrography (% by mass); S1 is an area % of the region where the Mn concentration analyzed by an electron beam microprobe analyzer in the structure at a position of 1/4 of the steel sheet thickness is two times or more the [Mn]; and S2 is an area % of the region where the Mn concentration analyzed by an electron beam microprobe analyzer in the structure at a position of 1/4 of the steel sheet thickness is 0.5 times or less the [Mn].

IPC 8 full level
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Citation (search report)
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