

Title (en)

PROCESS FOR PRODUCING HIGH-STRENGTH COLD-ROLLED STEEL PLATE FOR PRESS WORKING

Publication

EP 0016846 B1 19830817 (EN)

Application

EP 79901046 A 19800325

Priority

JP 10417278 A 19780826

Abstract (en)

[origin: EP0016846A1] A process for producing a high-strength cold-rolled steel plate for press working having a tensile strength of 35-45 kg/mm<2> and a yield ratio of 0.4-0.6, which comprises hot-rolling steel comprising 0.005-0.080% of C, not more than 0.30% of Si, 1.6-3.5% of Mn, 0.02-0.08% of sol. Al, 0.005-0.020% of N, and balance of Fe and unavoidable impurities, and, after cold-rolling, annealing at 660-750 DEG C for not shorter than 30 minutes.

IPC 1-7

C21D 9/46; **C21D 9/48**; **C21D 8/02**; **C21D 8/04**; **C22C 38/04**

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Citation (examination)

- JP S4918713 A 19740219
- JP S51107218 A 19760922 - NIPPON KOKAN KK

Cited by

KR101147975B1; US9718883B2; US10280219B2

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EP 0016846 A1 19801015; **EP 0016846 A4 19801114**; **EP 0016846 B1 19830817**; DE 2953072 C1 19850321; GB 2039951 A 19800820; GB 2039951 B 19821006; IT 1121469 B 19860402; IT 7968708 A0 19790824; JP S5531159 A 19800305; WO 8000456 A1 19800320

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