

Title (en)

HIGH-STRENGTH FREELY MACHINABLE STEEL CAPABLE OF SUSTAINING DYNAMIC FORCES

Publication

**EP 0020792 B1 19841205 (FR)**

Application

**EP 79101820 A 19790608**

Priority

EP 79101820 A 19790608

Abstract (en)

[origin: EP0020792A1] 1. Thread-cutting steel capable of withstanding dynamic stresses and possessing high strength, even without quenching, as well as excellent suitability for machining by cutting operations, which steel is intended for the manufacture of machinability components subjected to high stresses, characterized in that in addition to iron it contains 0.20 to 0.70 % (by weight) of C, 1.20 to 3.00% (by weight) of Mn, at most 1.00 % (by weight) of Si, at most 0.04 % (by weight) of P, 0.05 to 0.11 % (by weight) of S, at least 0.10 % (by weight) of pb, 0.001 to 0.03 % (by weight) of Ca, 0.001 to 0.005 % (by weight) of B, 0.007 to 0.035 % (by weight) of N, 0.03 to 0.20 % (by weight) of Nb and/or of V, at most 0.25 % (by weight) of Zr and/or of Ce, at most 0.2 % (by weight) of Be and/or of Bi and at most 1.00 % (by weight) of Mo and/or of Ni.

IPC 1-7

**C22C 38/60**

IPC 8 full level

**C22C 38/60** (2006.01)

CPC (source: EP)

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Cited by

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DOCDB simple family (publication)

**EP 0020792 A1 19810107; EP 0020792 B1 19841205; AT E10652 T1 19841215; DE 2967319 D1 19850117**

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