

Title (en)

IMPROVEMENTS TO STEEL FOR FORMING TOOLS

Title (de)

VERBESSERTE STÄHLE FÜR FORMGEBUNGSWERKZEUGE

Title (fr)

PERFECTIONNEMENTS APPORTES AUX ACIERS POUR OUTILS DE MISE EN FORME

Publication

EP 0990055 B1 20020807 (FR)

Application

EP 98920603 A 19980409

Priority

- FR 9800725 W 19980409
- FR 9612339 A 19961004

Abstract (en)

[origin: FR2754275A1] Steel made by powder metallurgy from pre-alloyed powder comprises by weight less than 1%, preferably 0.20-0.40% manganese, less than 1% preferably 0.20-0.40%, silicon, 6.05-6.45% chromium, 2.50-3.50% preferably 2.75-3.25%, molybdenum, 0.80-2% preferably 0.90-1.30% vanadium, less than 0.5% tungsten, less than 0.020% sulphur, less than 0.030% phosphorous, 0.60-1.60% preferably 0.70-1.10% niobium, 2-5% preferably 2.60-3.40% cobalt, 0.050-0.080% nitrogen, less than 0.060% aluminium, 0.75-0.95% preferably 0.78-0.85% carbon and less than 0.50 preferably less than 0.30% nickel, the remainder being iron and impurities.

IPC 1-7

C22C 33/02; **C22C 38/30**

IPC 8 full level

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