

Title (en)

APPLICATION OF A FAST QUENCHED ALLOY TO AN IRON-CHROME-COBALT BASE

Publication

**EP 0239838 B1 19910227 (DE)**

Application

**EP 87103341 A 19870309**

Priority

DE 3611342 A 19860404

Abstract (en)

[origin: EP0239838A1] Ductile strips of magnetically hard or semihard alloys of the iron/chromium/cobalt type are required, in particular, for producing picture tube shadow masks. According to the invention alloys consisting of 10 to 45% chromium, 3 to 35% cobalt, the remainder essentially being iron and quenched at a cooling rate of about  $10^{3-6}$  K/s are proposed for this purpose. These have a microcrystalline structure free of gamma-phase and/or sigma-phase precipitates. Preferably, the structure has a mean grain diameter of 1 to 50  $\mu$ m.

IPC 1-7

**C22F 1/11; H01F 1/04**

IPC 8 full level

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Cited by

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