

Title (en)

FE-NI OR FE-NI-CO OR FE-NI-CO-CU ALLOY STRIP WITH IMPROVED CUTTABILITY

Title (de)

BAND AUS FE-NI ODER FE-NI-CO ODER FE-NI-CO-CU LEGIERUNG MIT VERBESSERTER SCHNEIDBARKEIT

Title (fr)

BANDE EN ALLIAGE FE-NI OU FE-NI-CO OU FE-NI-CO-CU A DECOUPABILITE AMELIOREE

Publication

**EP 1299568 A1 20030409 (FR)**

Application

**EP 01955396 A 20010710**

Priority

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- FR 0009249 A 20000713

Abstract (en)

[origin: WO0206548A1] The invention concerns a strip made of austenitic Fe-Ni alloy or Fe-Ni-Co alloy or Fe-Ni-Co-Cu alloy whereof the chemical composition of the alloy comprises, in wt. %: 30 %  $\leq$  Ni  $\leq$  70 % ; 0 %  $\leq$  Cu  $\leq$  20 % ; 0 %  $\leq$  Mn + Cr < 5 % ; 0 %  $\leq$  W + 2 x Mo  $\leq$  2 % ; 0 %  $\leq$  Ti + V + Nb + Al  $\leq$  1 % ; 0.0005 %  $\leq$  B  $\leq$  0.007 % ; the rest being iron and impurities such as C, S, P, O and N; the chemical composition being such that Fe + Ni + Cu + Co  $\geq$  95 %. The alloy has a cubic texture with a cubic texture coefficient Dc  $\geq$  7. The invention also concerns a method for making a strip and a method for making a workpiece by mechanical cutting.

IPC 1-7

**C22C 38/08**; **C22C 38/10**; **C22C 19/05**; **C21D 6/00**; **C21D 8/02**

IPC 8 full level

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Citation (search report)

See references of WO 0206548A1

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