

Title (en)

AMORPHOUS NON-LAMINAR NICKEL AND/OR COBALT PHOSPHOROUS ALLOYS, THEIR PROCESS OF MANUFACTURE AND USES

Title (de)

NICHT-LAMINARE AMORPHE NICKEL- UND/ODER COBALTLEGIERUNG MIT PHOSPHOR, IHRE HERSTELLUNGSVERFAHREN UND IHRE VERWENDUNG

Title (fr)

ALLIAGES DE NI-P ET/OU CO-P AMORPHES NON LAMINAIRES, LEUR PROCEDE DE FABRICATION ET LEUR UTILISATION

Publication

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Application

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Priority

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Abstract (en)

[origin: WO9920807A2] The present invention provides amorphous non-laminar nickel phosphorous alloys, amorphous non-laminar nickel cobalt phosphorous alloys, or amorphous non-laminar cobalt phosphorous alloys. These alloys are useful in the formation of metal articles and metal-coated articles, including high precision devices and molds for plastics. In addition, the alloys of the present invention are useful in repairing damaged metal surfaces.

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IPC 8 full level

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Zeller, R. et al., "Electrodeposition of ductile nickel-phosphorus amorphous alloys using periodic reverse current", J. Electrochem. Soc. (1991), 138(4), 1010-17. Nee, C. et al., "The banded structure of nickel phosphorus electrodeposits", Surf. Technol. (1985), 25(12), 7-15

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