

Title (en)

CORROSION-FREE IRON-NICKEL ALLOY FOR RESIDUAL-CURRENT CIRCUIT-BREAKERS AND CLOCKWORKS

Title (de)

KORROSIONSFREIE EISEN-NICKEL-LEGIERUNG FÜR FEHLERSTROMSCHUTZSCHALTER UND UHRENLAUFWERKE

Title (fr)

ALLIAGE FER-NICKEL ANTI-CORROSION POUR DISJONCTEURS DE COURANT DE FUITE ET PIECES DE MOUVEMENTS D'HORLOGERIE

Publication

**EP 1169487 A1 20020109 (DE)**

Application

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Abstract (en)

[origin: WO0063454A1] An alloy on the basis of 40-55 wt. % nickel and iron becomes corrosion-proof by alloying it with 0.5-6 wt. % chromium. The surfaces of the components produced by said alloy are hardened by nitrating. The alloy is particularly useful for the use in relays and clockworks. The concentration of Ca, Mg and S together amounts to less than 0.009 wt. %.

IPC 1-7

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IPC 8 full level

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CPC (source: EP)

**C22C 19/058** (2013.01); **C22C 30/00** (2013.01); **C22C 38/08** (2013.01); **C22C 38/40** (2013.01); **H01H 71/321** (2013.01); **H02K 1/02** (2013.01); **H01H 71/323** (2013.01)

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