

Title (en)
PROCESS FOR APPLYING CONVERSION COATINGS ON TITANIUM

Publication
EP 0291891 B1 19910807 (DE)

Application
EP 88107776 A 19880514

Priority
JP 11809987 A 19870516

Abstract (en)
[origin: JPS63286585A] PURPOSE:To improve the adhesion and chemical conversion ability of a compd. film by specifying the amt. of F ions in a fluoride-contg. treating soln., further specifying the concns. of nitrate ions, sulfate ions and metal ions in relation to the amt. of F ions, adding a specified amt. of an org. chelate compd. or the like and adjusting the pH of the soln. CONSTITUTION:This treating soln is a soln. of 1.5-5.0pH contg. 5-40g/l F ions, NO₃ ions in 0.005-0.2 ratio of NO₃ ions to F ions and SO₄ ions in 0.02-0.5 ratio of SO₄ ions to F ions as essential components and further contg. metal (Me) ions of one or more among Mg, Ca, Mn, Fe, Co, Ni, Zn and Mo in 0.02-0.5 ratio of Me ions to F ions and one or more among 0.1-2g/l org. chelate compd., 0.1-10g/l water soluble org. high molecular compd. and 0.01-3g/l surfactant. Ti or Ti alloy having a clean surface is immersed in the treating soln. at 40-80 deg.C for 3-15min to form a compd. film and then washing and drying are carried out.

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C23C 22/34

IPC 8 full level
C23C 22/34 (2006.01)

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EP0398201A1; AU624710B2; US6867324B2

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EP 0291891 A1 19881123; EP 0291891 B1 19910807; CA 1308004 C 19920929; DE 3816557 A1 19881124; DE 3864074 D1 19910912; ES 2023975 B3 19920216; JP H044397 B2 19920128; JP S63286585 A 19881124; US 4846897 A 19890711

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