

CHEMICAL DISSOLUTION TREATMENT LIQUID FOR
NICKEL ALLOY

ABSTRACT

An iron-nickel alloy can be uniformly surface treated, without local pitting corrosion, with a chemical dissolution treatment liquid including (A) an aqueous acid solution of H_2O_2 , ammonium hydrogenfluoride and sulfuric acid, (B) a stabilizer selected from sulfanilic acid, sulfanilamide, salicylic acid, benzoic acid, benzaldehyde and/or benzenesulfonic acid and optionally (C) a local pitting corrosion-preventing agent selected from aliphatic amines, and optionally (D) a surface-smoothing agent selected from aliphatic alcohols and/or ammonium sulfate.

(Fig. 1)