

Title (en)

USE OF SALTS OF VINYLSULFONIC ACIDS STABILISED WITH N-NITROSO-N-ALKYL OR CYCLOALKYL HYDROXYL AMINES AS BASIC BRIGHTENERS IN GALVANIC NICKEL BATHS

Publication

EP 0069331 B1 19870819 (DE)

Application

EP 82105806 A 19820630

Priority

DE 3126836 A 19810708

Abstract (en)

[origin: EP0069331A2] 1. The use of an alkali metal vinyl sulphonate as basic brightener in nickel electroplating baths, wherein the vinyl sulphonate to be used contains, in admixture therewith, a compound of the formula see diagramm : EP0069331,P6,F2 where R is an aliphatic radical of 4 to 10 carbon atoms or a cycloaliphatic radical of 5 to 10 carbon atoms and Me is an alkali metal or an ammonium radical, as stabilizer.

IPC 1-7

C25D 3/12

IPC 8 full level

C25D 3/12 (2006.01)

CPC (source: EP)

C25D 3/12 (2013.01)

Cited by

EP1308541A1

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

EP 0069331 A2 19830112; EP 0069331 A3 19860205; EP 0069331 B1 19870819; DE 3126836 A1 19830127; DE 3277023 D1 19870924

DOCDB simple family (application)

EP 82105806 A 19820630; DE 3126836 A 19810708; DE 3277023 T 19820630