

Title (en)

ACID BATH FOR ELECTRODEPOSITION OF NICKEL-CONTAINING SULFOBETAINE AS BRIGHTENING AND LEVELLING AGENT

Publication

**EP 0006461 B1 19811104 (DE)**

Application

**EP 79101652 A 19790530**

Priority

DE 2825966 A 19780614

Abstract (en)

[origin: US4212709A] An acidic nickel electroplating bath containing brighteners and levelling agents, wherein the levelling agents are compounds of the formula I <IMAGE> I where N is a hetero-aromatic nitrogen base, R, R1 and R2 are hydrogen or alkyl, R3 is arylene, X is SO3-, Y is a neutralizing cation, n is from 1 to 3 and m is from 1 to 2.5.

IPC 1-7

**C25D 3/18**

IPC 8 full level

**C25D 3/18** (2006.01)

CPC (source: EP US)

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Cited by

EP0341167A1; AT377014B; AT377015B; AT377013B

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DOCDB simple family (publication)

**EP 0006461 A1 19800109; EP 0006461 B1 19811104**; DE 2825966 A1 19800103; DE 2961219 D1 19820114; JP S552799 A 19800110; US 4212709 A 19800715

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