

Title (en)

PROCESS FOR REMOVING ACIDS FROM CATAPHORETIC PAINTING BATHS

Publication

EP 0262419 A3 19890531 (DE)

Application

EP 87112627 A 19870829

Priority

DE 3629981 A 19860903

Abstract (en)

[origin: US4775478A] The present invention relates to a novel process for removing acids from cathodic electrocoating baths, in which electrically conductive substrates are coated with cationic resins present in the form of aqueous dispersions, part or all of the dip-coating bath being subjected to an ultrafiltration in which the ultrafiltration membrane retains the cationic resin and an ultrafiltrate is formed which contains water, solvent, low molecular weight substances and ions, and part or all of the ultrafiltrate being recycled to the coating bath, in which process (a) part or all of the ultrafiltrate, before recycling to the electrocoating bath and (b) an aqueous solution of an organic or inorganic base, which may or may not contain salts, are each introduced into one or more chambers, separated from one another by an anion exchange membrane, of an exchange cell, solutions (a) and (b) being led over the surface of the membrane.

IPC 1-7

C25D 13/24

IPC 8 full level

C25D 13/24 (2006.01)

CPC (source: EP US)

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Citation (search report)

- [A] US 3663398 A 19720516 - CHRISTENSON ROGER M, et al
- [A] US 4320009 A 19820316 - HILTON BARNEY W, et al
- [A] PATENT ABSTRACTS OF JAPAN, Band 7, Nr. 191 (C-182)[1336], 20. August 1983; & JP-A-58 91 199 (HONNY KASEI K.K.) 31-05-1983

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