

Title (en)

METHOD FOR THE ELECTROCHEMICAL REDUCTION OF VAT AND SULPHUR DYES

Title (de)

VERFAHREN ZUR ELEKTROCHEMISCHEN REDUKTION VON KÜPEN- UND SCHWEFELFARBSTOFFEN

Title (fr)

PROCEDE DE REDUCTION ELECTROCHIMIQUE DE COLORANTS DE CUVE ET AU SOUFRE

Publication

EP 1563137 A1 20050817 (DE)

Application

EP 03757624 A 20031105

Priority

- CH 0300723 W 20031105
- CH 18632002 A 20021106

Abstract (en)

[origin: WO2004042138A1] The invention relates to a method for the electrochemical reduction of vat or sulphur dyes, by bringing the dye (1) into contact with a modified cathode (2), comprising a support (3) made from an electrically-conducting material with a large surface area on which a redox-active substance (4) is permanently immobilised. Substances with quinoid structures, in particular, an anthraquinoid structure are preferably applied in the above. No toxic contamination and greatly reduced salt loads in the effluent are achieved by means of the above method.

IPC 1-7

D06P 1/22; D06P 1/30; D06P 5/20; C25B 3/04; C25B 11/04

IPC 8 full level

D06P 1/22 (2006.01); **D06P 1/30** (2006.01); **D06P 5/20** (2006.01)

CPC (source: EP)

D06P 1/221 (2013.01); **D06P 1/30** (2013.01); **D06P 5/2016** (2013.01)

Citation (search report)

See references of WO 2004042138A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)

WO 2004042138 A1 20040521; AU 2003273714 A1 20040607; EP 1563137 A1 20050817

DOCDB simple family (application)

CH 0300723 W 20031105; AU 2003273714 A 20031105; EP 03757624 A 20031105