

Title (en)

Process for rapid dyeing of composite synthetic sheet material designed to imitate natural leather.

Title (de)

Verfahren zur Schnelfärbung von zur Nachahmung von Echtleder geeignetem Mehrschicht-Synthetikmaterial.

Title (fr)

Procédé de teinture rapide de matériaux composites synthétiques en feuille destinés à imiter du cuir naturel.

Publication

EP 0567975 A1 19931103 (EN)

Application

EP 93106752 A 19930426

Priority

IT TO920367 A 19920428

Abstract (en)

A process for dyeing composite synthetic material having a porous polyurethane matrix and a fiber reinforcement (e.g. nonwoven fabric, polyamide, polyethylene or polyester fibers) embedded in the matrix, and from which to produce a sheet product similar to natural leather. The entire section of the material, consisting of the porous matrix and reinforcement, is treated with dyeing substances (hot-polymerizable plastic resins with a water or organic base, pigments, premetallized azoic dyes) by alternately winding the composite material, in strip form, on and off two opposed rollers and through a tank containing a bath of the dyeing substances in solution or emulsion form, so as to feed the strip of composite material reciprocatingly through the bath. The rollers and tank may be housed in a pressurized container for operating at temperatures of over 100 DEG C. <IMAGE>

IPC 1-7

D06B 3/32

IPC 8 full level

D06B 3/32 (2006.01); **D06N 3/00** (2006.01); **D06B 3/10** (2006.01); **D06P 3/00** (2006.01); **D06P 7/00** (2006.01)

CPC (source: EP)

D06B 3/32 (2013.01)

Citation (search report)

- [X] DE 3422966 A1 19860102 - OSTHOFF SENGE GMBH & CO KG [DE]
- [X] US 3525479 A 19700825 - STOBH HANS
- [A] WO 9012913 A1 19901101 - HENRIKSEN VALD AS [DK]
- [A] GB 1107035 A 19680320 - CLIFFORD DUCKWORTH
- [A] CH 341467 A 19591015 - KAWAGUCHI BUNSHIRO [JP]
- [AD] GB 2206363 A 19890105 - LORICA SPA

Cited by

EP1256649A3; DE102013212284A1

Designated contracting state (EPC)

AT BE CH DE ES FR GB IT LI LU MC NL PT SE

DOCDB simple family (publication)

EP 0567975 A1 19931103; EP 0567975 B1 20000726; AT E195008 T1 20000815; CA 2095007 A1 19931029; DE 69329085 D1 20000831; DE 69329085 T2 20010322; ES 2149790 T3 20001116; IT 1259564 B 19960320; IT TO920367 A0 19920428; IT TO920367 A1 19931028; JP H06101180 A 19940412; PT 567975 E 20001229

DOCDB simple family (application)

EP 93106752 A 19930426; AT 93106752 T 19930426; CA 2095007 A 19930427; DE 69329085 T 19930426; ES 93106752 T 19930426; IT TO920367 A 19920428; JP 12324393 A 19930428; PT 93106752 T 19930426