

Title (en)

MIXTURE CONTAINING HOLLOW MICROSPHERES AND SOFTENING RETANNING AGENT FOR RETANNING LEATHER

Title (de)

MISCHUNG VONMIKROHOHLKUGELN UND EINEM WEICHMACHENDEN NACHGERBSTOFF ZUM NACHGERBEN VON LEDER

Title (fr)

COMPOSITION CONTENANT DES MICROBILLES CREUSES ET UN AGENT DE RETANNAGE EMOLLIENT ET SON UTILISATION POUR LE CORROYAGE DE CUIR

Publication

**EP 2305839 A2 20110406 (DE)**

Application

**EP 10197154 A 20070917**

Priority

- EP 07820267 A 20070917
- DE 102006048044 A 20061011
- DE 102007011555 A 20070309

Abstract (en)

Retanning leather comprises: (a) treating a tanned leather in aqueous liquor in the presence of hollow micro spheres filled with blowing agent, (b) drying the leather obtained in step (a) after further optional retanning steps and (c1) treating with hot water steam at 80-120[deg] C, preferably at 80-100[deg] C, or (c2) treating with infrared radiation having a wavelength of 0.7-100  $\mu$  m, where a finishing step (b1) and/or a milling step (b2) can be carried out, after the drying step (b). Independent claims are included for: (1) the leather obtained by the process; and (2) a mixture containing micro hollow balls filled with blowing agent, preferably a liquid having boiling point of less than 60[deg] C in normal pressure and chrome tanning agent and/or synthetic retanning agent.

Abstract (de)

Mischung, enthaltend c) Mikrohohlkugeln, die eine Flüssigkeit mit einem Siedepunkt bei Normaldruck von kleiner 60 °C enthalten, und d) einen weichmachenden Nachgerbstoff auf Basis von Polyamidcarbonsäuren oder auf Basis von Estern von Polycarbonsäuren und linearen oder verzweigten Polyetherpolyolen und Verwendung dieser Mischung zum Nachgerben von Ledern.

IPC 8 full level

**C14C 3/06** (2006.01); **C14C 9/00** (2006.01)

CPC (source: EP KR US)

**C14C 3/06** (2013.01 - EP KR US); **C14C 3/28** (2013.01 - KR); **C14C 3/30** (2013.01 - KR); **C14C 9/00** (2013.01 - EP US)

Citation (applicant)

- DE 202006005330 U1 20060608 - SCHAEFER PHILIPP [DE]
- DE 10218076 B4 20060330 - SCHAEFER PHILIPP [DE]
- US 5368609 A 19941129 - INOUE SHIGEYUKI [JP]
- EP 1279746 A1 20030129 - AKZO NOBEL NV [NL]

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DOCDB simple family (publication)

**WO 2008043643 A1 20080417**; AR 063184 A1 20081230; AT E513062 T1 20110715; BR PI0706204 A2 20110322; EP 2079853 A1 20090722; EP 2079853 B1 20110615; EP 2305839 A2 20110406; EP 2305839 A3 20120530; KR 20090063177 A 20090617; TW 200837198 A 20080916; US 2009205142 A1 20090820

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