

Title (en)

PROCESS FOR PREPARING A SYNTHETIC ALUMINIUM TANNING AGENT

Title (de)

VERFAHREN ZUR HERSTELLUNG EINES SYNTHETISCHEN ALUMINIUMGERBMITTELS

Title (fr)

PROCÉDÉ DE PRÉPARATION D'UN AGENT DE TANNAGE EN ALUMINIUM DE SYNTHÈSE

Publication

EP 1576196 B1 20080903 (EN)

Application

EP 02781713 A 20021223

Priority

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Abstract (en)

[origin: WO2004057036A1] A novel synthetic aluminium tanning agent as an alternative for chromium based tanning salts without using formaldehyde was prepared by using aromatic polymeric matrix and aluminium (III) salts as raw materials with suitable masking agents. The preparation of the syntan consists of sulphonation of aromatic molecule, which is incorporated with a polymeric network along with ligands specially designed for the complexation of aluminium (III) salts. The complex can be used as self-tanning agent in leather industry with fairly good filling behavior. The tanned leathers exhibit shrinkage temperature about 85 DEG C. Due to the higher precipitation point of the product, it can be used for tanning directly after deliming thus eliminating the pickling process. This product, unlike the conventional phenol based products, does not undergo photo-oxidation thereby preventing the discoloration of the tanned leathers.

IPC 8 full level

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