

Title (en)

APPLICATION OF WATER-INSOLUBLE ALUMINIUM SILICATES TO THE MANUFACTURE OF LEATHER

Publication

EP 0007555 B1 19811230 (DE)

Application

EP 79102490 A 19790717

Priority

DE 2831846 A 19780720

Abstract (en)

[origin: US4264319A] In an improved process of tanning for the production of leather comprising subjecting pickled uncured hides to the action of an aqueous liquor containing (1) chemical tanning or pretanning agents and (2) auxiliary chemicals to tanning and recovering leather, the improvement consisting essentially of employing (i) a water-insoluble aluminosilicate, containing bound water, of the formula $(Cat_2/nO)_x \cdot Al_2O_3 \cdot (SiO_2)_y$ wherein Cat represents a cation selected from the group consisting of alkali metals, bivalent metal ions, trivalent metal ions, and mixtures thereof; n represents an integer of from 1 to 3; x is a number of from 0.5 to 1.8; and y is a number of from 0.8 to 50, said aluminosilicates having an average particle size in the range of from about 0.1 μ to 5 mm and a calcium binding power of from about 0 to 200 mg CaO/gm of anhydrous active substance measured at 22 DEG C. according to the Calcium Binding Power Test Method, and (ii) carboxylic acids having at least two carboxyl groups and containing ester groups and/or urethane groups and/or amide groups, said carboxylic acids having a molecular weight of from about 200 to 30,000 and being water-soluble or water-dispersible, as partial replacement of said chemical tanning or pretanning agents and said auxiliary chemicals to tanning.

IPC 1-7

C14C 3/00; **C14C 3/06**; **C01B 33/26**

IPC 8 full level

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CPC (source: EP US)

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