

Title (en)
Tanning method presenting a high chrome exhaustion of the tanning bath.

Title (de)
Gerbverfahren mit hoher Chromauszehrung der Gerbflotten.

Title (fr)
Procédé de tannage avec épuisement supérieur en chrome des bains de tannage.

Publication
EP 0349892 B1 19940921 (DE)

Application
EP 89111743 A 19890628

Priority
DE 3822823 A 19880706

Abstract (en)
[origin: US4938779A] The efficiency of chromium utilization in chrome tanning of hides to make leather is greatly improved by performing the preliminary neutralization of the acid tanning liquor in the presence of an aldehyde or keto acid, before conventional subsequent neutralization with an alkali aluminum silicate. Most preferably, a combination of glyoxylic acid and magnesium oxide is used for the preliminary neutralization.

IPC 1-7
C14C 3/06

IPC 8 full level
C14C 3/06 (2006.01)

CPC (source: EP KR US)
C14C 3/06 (2013.01 - EP KR US)

Citation (examination)
DE 3516842 A1 19861113 - HOECHST AG [DE]

Cited by
CN104109723A; EP0583697A3; US5501709A

Designated contracting state (EPC)
AT BE CH DE ES FR GB GR IT LI LU NL SE

DOCDB simple family (publication)
EP 0349892 A2 19900110; EP 0349892 A3 19920115; EP 0349892 B1 19940921; AR 245505 A1 19940131; AT E111963 T1 19941015; BR 8903305 A 19900213; DE 3822823 A1 19900111; DE 58908384 D1 19941027; ES 2058406 T3 19941101; FI 893276 A0 19890705; FI 893276 A 19900107; FI 94149 B 19950413; FI 94149 C 19950725; JP H0270800 A 19900309; KR 0126916 B1 19971226; KR 900001862 A 19900227; MX 170321 B 19930816; TR 26613 A 19940405; US 4938779 A 19900703

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EP 89111743 A 19890628; AR 31432889 A 19890705; AT 89111743 T 19890628; BR 8903305 A 19890705; DE 3822823 A 19880706; DE 58908384 T 19890628; ES 89111743 T 19890628; FI 893276 A 19890705; JP 17539589 A 19890706; KR 890009636 A 19890706; MX 1667289 A 19890703; TR 53489 A 19890703; US 37626289 A 19890706