

Title (en)  
METHOD FOR PRODUCING LEATHER

Title (de)  
VERFAHREN ZUR HERSTELLUNG VON LEDER

Title (fr)  
PROCEDE DE FABRICATION DE CUIR

Publication  
**EP 1556523 A2 20050727 (DE)**

Application  
**EP 03785620 A 20031014**

Priority  
• DE 10249077 A 20021021  
• EP 0311368 W 20031014

Abstract (en)  
[origin: WO2004037589A2] The invention relates to a method for producing leather, comprising at least two of the following method steps A) to D): A) using one or more polyelectrolytes during the production of semifinished or intermediate products, involving the addition of one or more polyelectrolytes in at least one of steps (a) to (d): (a) together with 0 to 1.5 % by weight of lime, with regard to the weight of salt, immediately before or in the lime pit; (b) before or during deliming; (c) before or during bating; (d) together with, in total, 0 to 3 % by weight of alkaline salt or alkaline earth salt, with regard to the pelt weight, immediately before or in the pickle solution; B) in the lime pit, treating the skins in an aqueous liquor with one or more compounds of general formula (B.1) or with their corresponding alkali metal salts, alkaline earth metal salts, ammonium salts or phosphonium salts, whereby variables R<10> and X<1> to X<4> have the meanings as cited in the description, with the provision that at least two mercapto groups are contained in the compound or compounds B.1; C) using degreasing agents of general formula (C.1) for degreasing pelts, skins or other intermediate stages and semifinished products during the production of leather, whereby variables n and R<16> to R<21> have the meanings as cited in the description; D) tanning by using a tanning agent that can be produced by reacting at least one aldehyde of general formula (D.1) with at least one other identical or different aldehyde of formula (D.1) in the presence of an acid catalyst and, optionally, in the presence of at least one additional carbonyl compound of formula (D.2), whereby variables Z and R<22> to R<25> have the meanings as cited in the description, with the provision that, in the event Z corresponds to a chemical single bond or to a radical without alpha -hydrogen atoms, at least one additional aldehyde of formula (D.1), in which radical Z contains alpha -hydrogen atoms, or at least one additional carbonyl compound of formula (D.2) is present. The invention also relates to leather that is produced according to the inventive method.

IPC 1-7  
**C14C 3/16**

IPC 8 full level  
**C14C 1/06** (2006.01)

CPC (source: EP US)  
**C14C 1/065** (2013.01 - EP US)

Citation (search report)  
See references of WO 2004037589A2

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)  
**DE 10249077 A1 20040429**; AR 041658 A1 20050526; AU 2003294691 A1 20040513; AU 2003294691 A8 20040513; BR 0315272 A 20050823; CN 1323174 C 20070627; CN 1705756 A 20051207; EP 1556523 A2 20050727; US 2007022541 A1 20070201; WO 2004037589 A2 20040506; WO 2004037589 A3 20040624

DOCDB simple family (application)  
**DE 10249077 A 20021021**; AR P030103795 A 20031017; AU 2003294691 A 20031014; BR 0315272 A 20031014; CN 200380101747 A 20031014; EP 0311368 W 20031014; EP 03785620 A 20031014; US 52974405 A 20050329