

Title (en)
Leather and its treatment

Title (de)
Leder und dessen Zurichtung

Title (fr)
Cuir et son traitement

Publication
EP 1138788 A1 20011004 (DE)

Application
EP 01107634 A 20010328

Priority
DE 10015555 A 20000330

Abstract (en)
Tanned leather with a protective finish that covers the protein fiber surface and underlying collagen fiber network while leaving the pores open. An Independent claim is also included for a finishing process for tanned leather, comprising subjecting the leather to a plasma treatment in which an atomized matrix material carried by the plasma jet is projected onto and into the leather at high energy in a reactor at atmospheric pressure.

Abstract (de)
Die Erfindung bezieht sich auf ein modifiziertes Leder und die Art der Zurichtung. Gemäß der Erfindung ist dabei die Oberfläche des Leders sowie dessen Kollagengerüst mit einer funktionellen Schutzschicht überzogen, ohne daß eine Verklebung der Fasern die Atmungsaktivität behindert. Die Zurichtung erfolgt dabei plasmatechnisch bei Atmosphärendruck.

IPC 1-7
C14C 11/00; **B05D 7/24**; **D06M 10/04**

IPC 8 full level
B05D 7/12 (2006.01); **B05D 7/24** (2006.01); **C14C 11/00** (2006.01); **D06M 10/04** (2006.01)

CPC (source: EP US)
B05D 1/62 (2013.01 - EP US); **B05D 7/12** (2013.01 - EP US); **C14C 11/00** (2013.01 - EP US)

Citation (search report)
• [X] DE 4116872 A1 19921126 - RTT RECYCLING TECHNOLOGIEN UND [DE]
• [X] EP 0238991 A2 19870930 - BAYER AG [DE]
• [A] SU 1483957 A1 19990120 - MOSKOVSKIY TEKH INSTITUT LEGKOJ PROMYSHLENNOSTI [RU]
• [A] DATABASE WPI Section Ch Week 198625, Derwent World Patents Index; Class A26, AN 1986-158099, XP002171647
• [A] DATABASE WPI Section Ch Week 199017, Derwent World Patents Index; Class A88, AN 1990-128961, XP002171648

Cited by
KR20030039405A; WO03060166A1

Designated contracting state (EPC)
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EP 1138788 A1 20011004; **EP 1138788 B1 20041006**; AT E278809 T1 20041015; DE 10015555 A1 20011018; DE 50103936 D1 20041111; US 2002020024 A1 20020221; US 6610368 B2 20030826

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