

Title (en)

Chrome free waterproof leather

Title (de)

Chromfreies, wasserdichtes Leder

Title (fr)

Cuir sans chrome, imperméable à l'eau

Publication

EP 1416057 A1 20040506 (DE)

Application

EP 03023284 A 20031015

Priority

DE 10250111 A 20021028

Abstract (en)

Chromium-free leather has a water-proofness measured as DIN 53338 penetration time of at least 30 minutes. Independent claims are also included for the use of silicones as hydrophobicizers for chromium-free tanned leather; and production of the leather by treating with a hydrophobicizer, optionally after post-tanning.

Abstract (de)

Die Erfindung betrifft chromfreies Leder mit hoher Wasserdichtigkeit, ein Verfahren zu seiner Herstellung, seine Verwendung als auch die Verwendung von Silikonen als Hydrophobiermittel für chromfrei gegerbtes Leder.

IPC 1-7

C14C 3/04; **C14C 9/00**

IPC 8 full level

B68G 5/00 (2006.01); **C14C 3/04** (2006.01); **C14C 9/00** (2006.01); **C14C 9/02** (2006.01)

CPC (source: EP KR US)

C14C 3/04 (2013.01 - EP US); **C14C 9/00** (2013.01 - EP KR US); **Y10T 428/4935** (2015.04 - EP US)

Citation (search report)

- [X] DE 1178545 B 19640924 - BOEHME FETTCHEMIE GMBH
- [X] DE 19629986 A1 19980129 - BASF AG [DE]
- [DA] EP 1108765 A2 20010620 - BAYER AG [DE]
- [AD] TONIGOLD L ET AL: "MOGLICHKEITEN UND GRENZEN DER EISENGERBUNG", LEDER, EDUARD ROETHER VERLAG. DARMSTADT, DE, vol. 41, no. 1, 1990, pages 8 - 14, XP000113346, ISSN: 0024-0176

Cited by

CN112376297A; EP1702991A3; US10947605B2; WO2011147959A2; WO2007003264A3; WO2022154662A1; NL2027334B1

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DOCDB simple family (application)

EP 03023284 A 20031015; AR P030103828 A 20031021; CN 200310104652 A 20031028; DE 10250111 A 20021028; JP 2003367907 A 20031028; KR 20030075025 A 20031027; US 36805406 A 20060303; US 69410603 A 20031027; ZA 200308302 A 20031024