

Title (en)

Method of treating textile products and textiles products thus treated

Title (de)

Verfahren zur Behandlung von Textilprodukten und damit behandelte Textilprodukte

Title (fr)

Procédé de traitement de produits textiles et produits textiles ainsi traités

Publication

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Application

EP 00110985 A 19941227

Priority

- EP 95903962 A 19941227
- JP 35361393 A 19931228

Abstract (en)

A fiber is firstly treated with a carboxylic acid-metal complex obtained from a metal salt and a carboxylic acid in a first stage, and then treated with a usual fluorine-containing water- and oil-repellent in a second stage. According to the present invention, the water-repellency which is durable to washing and friction is imparted to a textile, and the touch, the feeling and the flexibility of the textile itself are not deteriorated.

IPC 1-7

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IPC 8 full level

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D06M 2200/12 (2013.01); **D06M 2200/50** (2013.01)

Citation (search report)

- [E] US 5630846 A 19970520 - HARA KAZUTO [JP], et al & WO 9315254 A1 19930805 - DAIKIN IND LTD [JP]
- [Y] GB 1296255 A 19721115
- [A] FR 2270364 A1 19751205 - HOECHST AG [DE]
- [A] US 3061473 A 19621030 - TESORO GIULIANA C
- [A] US 5132028 A 19920721 - NAGASE MAKOTO [JP], et al
- [A] US 5084191 A 19920128 - NAGASE MAKOTO [JP], et al

Cited by

CN102797148A; US7931944B2; US7811949B2

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CN 1139965 A 19970108; DE 69430873 D1 20020801; DE 69430873 T2 20021128; EP 1039018 A1 20000927; JP H07197377 A 19950801;
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