

Title (en)

COMPOSITION AND METHOD FOR REMOVING OR PREVENTING THE APPEARANCE OF FABRIC STAINS

Title (de)

ZUSAMMENSETZUNG UND VERFAHREN ZUM ENTFERNEN ODER VERHINDERN DES ERSCHEINENS VON FLECKEN IN STOFF

Title (fr)

COMPOSITION ET PROCÉDÉ POUR ENLEVER OU PRÉVENIR L'APPARENCE DE TACHES DE TISSU

Publication

**EP 3754005 A1 20201223 (EN)**

Application

**EP 20181210 A 20200619**

Priority

PT 11559419 A 20190621

Abstract (en)

The present disclosure relates to a composition and method for removing or preventing the appearance of spots or stains in fabrics that comprises the following components: aqueous solvent or an alcohol; an ion exchange salt selected from the following list: sodium bicarbonate, sodium carbonate, calcium chloride, sodium chloride, sodium percarbonate, sodium silicate, sodium carbonate, sodium metasilicate, or mixtures thereof; or mixtures thereof; a base or an acid for degradation of the organic matter; a remover of textile fibre aggregates; a surfactant agent; and optionally a preservative agent.

IPC 8 full level

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Citation (applicant)

- US 8268769 B2 20120918 - ENSELBERG HILLARY [US]
- CA 2813508 A1 20141016 - VACHON HELENE J [CA]
- DE 19724106 A1 19990401 - SANDNER HERBERT DIPL ING [DE]
- CN 1209450 C 20050706 - SOUTHWEST PETROLEUM INST [CN]
- CN 1041178 A 19900411 - XIA YUANXI [CN]
- CN 104277937 A 20150114 - DAOHE BIOTECHNOLOGY CO LTD
- CN 1046569 A 19901031 - LI JIZHONG [CN]
- CN 104059782 A 20140924 - ZHANG SONGBO
- US 2013117946 A1 20130516 - DAWUDIAN FARIBORZ [FR]
- JP S598471 B2 19840224
- CN 102395348 A 20120328 - BEIERSDORF AG
- US 2012304397 A1 20121206 - MACDONALD NEIL [GB], et al
- US 2011271458 A1 20111110 - ENSELBERG HILLARY [US]

Citation (search report)

- [XYI] WO 2017102868 A1 20170622 - HENKEL AG & CO KGAA [DE]
- [XYI] EP 0953631 A1 19991103 - ECOLAB INC [US]
- [XYI] DE 102011085638 A1 20130502 - HENKEL AG & CO KGAA [DE]
- [Y] DE 102015215591 A1 20170216 - HENKEL AG & CO KGAA [DE]
- [YD] WO 2012016829 A1 20120209 - HENKEL AG & CO KGAA [DE], et al

Cited by

CN112662486A

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