

Title (en)
LAUNDRY TREATMENT COMPOSITIONS

Title (de)
WÄSCHEBEHANDLUNGSMITTEL

Title (fr)
COMPOSITIONS DE TRAITEMENT DE LINGE

Publication
EP 1794274 B2 20191218 (EN)

Application
EP 05771350 A 20050815

Priority
• EP 2005008861 W 20050815
• GB 0420203 A 20040911

Abstract (en)
[origin: WO2006027086A1] The present invention provides a laundry treatment composition comprising a surfactant and a hydrolysed reactive dye. A method of treating the textile, comprising treating the textile with an aqueous solution of the hydrolysed dye, rinsing and drying the textile, is also claimed.

IPC 8 full level
C11D 3/40 (2006.01)

CPC (source: EP)
C11D 3/40 (2013.01)

Citation (opposition)
Opponent :
• US 3762859 A 19731002 - WIXON H, et al
• US 6126700 A 20001003 - BAO-KUN LAI [TW], et al
• GB 2094826 A 19820922 - KAO CORP
• DE 2062163 A1 19710624
• HUNGER K, INDUSTRIAL DYES: CHEMISTRY, PROPERTIES, APPLICATIONS, 2003, pages 113 - 114
• VENKATARAMAN K: "CHEMISTRY OF SYNTHETIC DYES", vol. 6, 1972, article "The Chemistry of Synthetic Dyes", pages: 176 - 179, XP003032666
• HSE information sheet Reactive dyes; Safe handling in textile finishing (reprinted 5/04)
• JOHN SHORE: "Colorants and auxiliaries", JOURNAL OF THE SOCIETY OF DYERS AND COLOURISTS, vol. 2, pages 548 - 549, XP003032667
• SARKAR A: "Fluorescent Whitening Agents", 1971, pages: 5, XP003032669
• GOTTLIEB ET AL: "The toxicity of textile reactive azo dyes after hydrolysis and decolourisation", JOURNAL OF BIOTECHNOLOGY, vol. 101, 2003, pages 49 - 56, XP003032668
• COULSTON, F.: "Fluorescent Whitening Agents", 1975, GEORG THIEME VERLAG, pages: 60
• SMULDERS E: "Laundry Detergents", 1 January 2002, WILEY-VCH, pages: 96
• KLAUS HUNGER: "Industrial Dyes", WILEY-VCH VERLAG GMBH & CO, ISBN: 3-527-30426-6, pages: 114
• LAI, KUO-YANN: "LIQUID DETERGENTS", SURFACTANT SCIENCE SERIES, vol. 67, 1997, pages 299
• ALEKSIC MAJA; ET AL: "Reactivity Profiling: Covalent Modification of Single Nucleophile Peptides for Skin Sensitization Risk Assessment", TOXICOLOGICAL SCIENCES, vol. 108, no. 2, 1 April 2009 (2009-04-01), pages 401 - 411, XP008115840
• TEXTILE CHEMIST AND COLORIST, vol. 28, no. 1, January 1996 (1996-01-01), pages 38 - 42
• HEHLEN, M. ET AL: "Effects of Dye Substantivity in Dyeing Cotton with Reactive Dyes", TEXTILE CHEMIST AND COLORIST, November 1991 (1991-11-01), pages 21 - 27
• CARR C M: "CHEMISTRY OF THE TEXTILES INDUSTRY", 1 January 1995, BLACK ACADEMIC & PROFESSIONAL, LONDON, pages: 169,171 - 172, XP003034023

Cited by
WO2015112340A1; WO2015112339A1; WO2015126547A1; WO2015127004A1; EP3173467A1; WO2017091674A1; WO2015112338A1; WO2015112341A1; EP3088505A1; WO2016176240A1; EP3088506A1; WO2016176241A1; WO2016081437A1; EP4112707A1; WO2023278970A1; EP3088504A1; WO2016176296A1; EP3674387A1; EP3088502A1; EP3088503A1; WO2016176280A1; WO2016176282A1

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

DOCDB simple family (publication)
WO 2006027086 A1 20060316; AR 053967 A1 20070530; AT E390476 T1 20080415; BR PI0515066 A 20080701; CN 100577787 C 20100106; CN 101056971 A 20071017; DE 602005005702 D1 20080508; DE 602005005702 T2 20090409; EP 1794274 A1 20070613; EP 1794274 B1 20080326; EP 1794274 B2 20191218; ES 2301042 T3 20080616; GB 0420203 D0 20041013; ZA 200701947 B 20080730

DOCDB simple family (application)
EP 2005008861 W 20050815; AR P050103747 A 20050908; AT 05771350 T 20050815; BR PI0515066 A 20050815; CN 200580038122 A 20050815; DE 602005005702 T 20050815; EP 05771350 A 20050815; ES 05771350 T 20050815; GB 0420203 A 20040911; ZA 200701947 A 20050815