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Search 7: 6 and 4 (Results 6)
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Title: DYED TEXTILE ARTICLE AND DYE BATH ASSISTANT

Abstract: A dyed textile article. The dyed textile article includes a synthetic fiber substrate and a dye affixed to the substrate in a dye process that includes a using a dye assistant having an amidic nitrogen adjacent to an aromatic ring. The dye assistant may be N-methyl formanilide. The substrate of the present inventions may be a variety of substrates and is most preferably an aromatic polyamide. The present inventions also include a dye bath and a method of dyeing using a dyeing assistant having an amidic nitrogen adjacent to an aromatic ring.

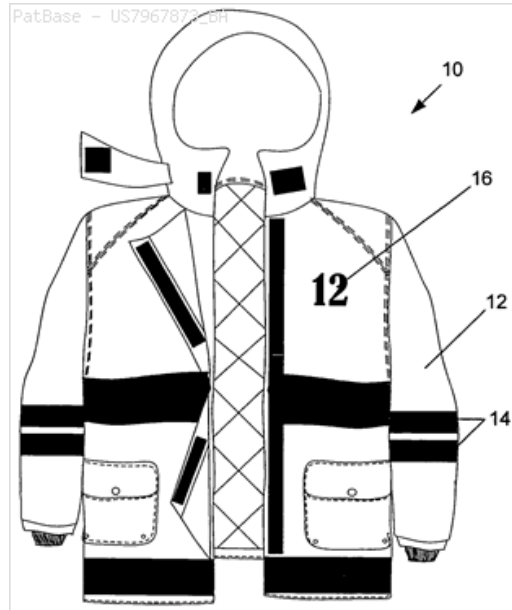
Classifications:

International (IPC 8-9): D06P5/06 (Advanced/Invention)

CPC: D06P1/6495 D06P3/242

European: D06P1/649K D06P3/24B

US: 8/169 8/172 8/557 8/607



Family:

Publication number	Publication date	Application number	Application date
US7967873 BA	20110628	US20060392278	20060329

Priority:

US20060392278 20060329

Probable Assignee:

BOZZETTO INC

Assignee(s): (std):

BOZZETTO INC

Inventor(s): (std):

GUTHRIE DARRIN MCBANE

Agent(s):

MACCORD MASON PLLC

Title: ANTIMICROBIAL TEXTILES COMPRISING PEROXIDE

Abstract: This invention pertains to method for imparting a durable antimicrobial activity to substrates, particularly textiles. An acetate-free metal and peroxide antimicrobial treatment formulation is prepared by adjusting the pH of a mixture of a metal salt in aqueous hydrogen peroxide to about 7.5. The substrate is treated with the composition and dried to afford the treated substrate with antimicrobial activity. Zinc salts, ions, or complexes are preferred.

Classifications:

International (IPC 8-9): A01N25/34 A01N59/00 A01P1/00 A61F13/00 A61F13/15 A61F13/20 A61F13/472 A61F13/66 A61K8/22 A61L15/18 A61L15/44 A61L15/46 B05D3/00 C09D5/14 C09K3/00 C11D17/04 C11D3/04 C11D3/39 D06M D06M11/155 D06M11/36 D06M11/44 D06M11/50 D06M11/56 D06M11/57 D06M11/65 D06M11/83 D06M16/00 D06M23/08 (Advanced/Invention); D06M (Subclass/Invention)

International (IPC 1-7): D06M11/36 D06M11/44 D06M11/83 D06M23/08

CPC: D06M11/57 A61L15/46 A61L2300/11 A61L2300/404 C09D5/14 C11D3/046 C11D3/3947 C11D17/048 D06M11/50 D06M11/155 D06M11/65 D06M16/00

European: D06M11/155 D06M11/50 D06M11/65 D06M16/00

US: 252/182.12 252/182.120S 252/182.32 252/182.33 252/182.34 424/409 424/409S 424/411 424/411P 424/616 424/616S 427/2.31 427/2.310S 427/240 427/355 427/372.2 427/385.5 8/115.51

JP F-Term: 3B200 3B200/AA01 3B200/AA03 3B200/AA15 3B200/BA20 3B200/BB24 3B200/CA17 4C079 4L031 4L031/AA02 4L031/AB32 4L031/BA07 4L031/BA08 4L031/BA13 4L031/DA12

JP F-Index: A41B13/08/H A61F13/00/301/Z A61F13/15/140 A61F13/15/143 A61F13/15/144 A61F13/15/300 A61F13/18/381 A61F13/20/338 D06M11/155 D06M11/50 D06M11/56 D06M11/65

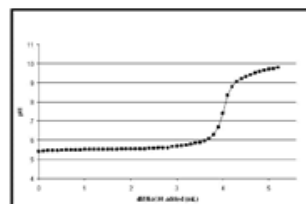
PatBase - US2011171280_AA

Patent Application Publication

Jul. 14, 2011

US 2011/0171280 A1

Figure 1



Plot of pH versus amount of hydroxide added to a mixture of 1.00 gram nickel chloride, 0.5 grams of Hydrogen Peroxide (50%), and 99.5 grams of water.

Family:

Publication number	Publication date	Application number	Application date
AU2010258893 AA	20101216	AU20100258893	20100608
BRPI1009652 A2	20190430	BR2010PI09652	20100608
CA2763073 AA	20101216	CA20102763073	20100608
CA2763073 C	20171003	CA20102763073	20100608
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CN102459747 B	20150930	CN201080035258	20100608
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EP2440702 A4	20150107	EP20100786726	20100608
EP2440702 B1	20181107	EP20100786726	20100608
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HK1170549 A1	20130301	HK20120111295	20121108
HK1170549 B	20160408	HK20120111295	20121108
IN09534DN2011 A	20130927	IN2011DN09534	20111205
JP2013527327 T2	20130627	JP20120514237T	20100608
US2011171280 AA	20110714	US20100971659	20101217
US2013011491 AA	20130110	US20120616209	20120914
US8277827 BB	20121002	US20100971659	20101217
US8926999 BB	20150106	US20120616209	20120914
WO10144503 A2	20101216	WO2010US37850	20100608
WO10144503 A3	20110331	WO2010US37850	20100608
WO10144503 A4	20110526	WO2010US37850	20100608

Priority:

US20090184931P 20090608 US20090267013P 20091205 WO2010US37850 20100608
US20100971659 20101217 US20120616209 20120914

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Agent(s): HOULIHAN2; HOULIHAN2; HOULIHAN2 PTY LTD; MACRAE AND CO; GOSNALL TOBY; BARKER BRETTELL LLP; WHD LTD; WHD LTD ATTN MISS FIONA KO; GERRY J; ELMAN TECHNOLOGY LAW PC; ELMAN GERRY J

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY

MZ NA NE NG NI NL NO NZ OM PE PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG
TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

Title: FABRIC **COLOR** REJUVENATION COMPOSITION

Abstract: Rejuvenation compositions including a reactive dye are disclosed for the one-shot rejuvenation of the **color** for dark-**colored** textile fabrics and garments formed therefrom. The rejuvenation compositions return faded black or dark **colored** garments to a like-new look. Methods of rejuvenating the faded **color** of garments by using the dye compositions are also disclosed.

Classifications:

International (IPC 8-9): C09B C09B62/00 C09B67/00 C09B67/20 C09B67/24 C11D C11D17/04 C11D3/02 C11D3/04 C11D3/08 C11D3/10 C11D3/386 C11D3/40 C11D7/04 C11D7/06 C11D7/10 C11D7/12 C11D7/14 C12S11/00 D06L1/12 D06M11/13 D06M11/38 D06M11/79 D06M16/00 D06P D06P1/00 D06P1/38 D06P1/382 D06P1/384 D06P5/00 D06P5/08 D06P5/12 D6P1/00 D6P1/382 D6P1/384 (Advanced/Invention); C09B62/00 C12N9/00 D06M16/00 (Advanced/Non-invention); C09B67/00 C11D3/02 C11D3/08 C11D3/10 C11D3/38 C11D3/40 C11D7/02 C12S11/00 D06P1/00 D06P1/38 (Core/Invention); C09B C11D D06P (Subclass/Invention)

International (IPC 1-7): C09B67/24 C12S11/00 D06P1/00

CPC: C09B67/0072 C11D3/044 C11D3/046 C11D3/08 C11D3/10 C11D3/386 C11D3/40 C11D7/06 C11D7/10 C11D7/12 C11D7/14 C11D7/042 D06P1/0016 D06P1/38 D06P1/382 D06P1/384 D06P5/12

European: C09B67/00P2 C11D17/04B2 C11D3/04H C11D3/04S C11D3/08 C11D3/10 C11D3/386 C11D3/40 C11D7/06 C11D7/10 C11D7/12 C11D7/14 D06P1/00A4 D06P1/38 D06P1/382 D06P1/384 D06P5/12

US: 252/8.91 8/115.51 8/115.6 8/401 8/401P 8/441 8/543 8/594 8/614 8/669 8/681

JP F-Term: 3B152 4H056 4H056/JA06 4H056/JB03 4H056/JD01 4H056/JD19 4H057 4H057/BA07 4H057/CA37 4H057/CB16 4H057/CB34 4H057/CB36 4H057/CB48 4H057/CB50 4H157 4H157/BA07 4H157/CA37 4H157/CB16 4H157/CB34 4H157/CB36 4H157/CB48 4H157/CB50 4L031 4L031/AA02 4L031/AB31 4L031/BA07 4L031/BA11 4L031/BA19 4L031/DA01 4L031/DA09

JP F-Index: C09B62/00 C09B67/20/F D06L1/12 D06L1/16 D06M11/13 D06M11/38 D06M11/79 D06M16/00 D06P1/38/Z

PatBase - US2009249562_AA

Patent Application Publication Oct. 8, 2009 Sheet 1 of 6 US 2009/0249562 A1

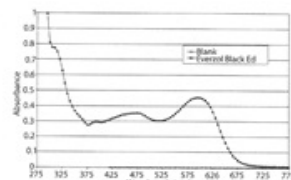


Fig. 1A

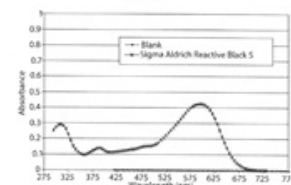


Fig. 1B

Family:

Publication number	Publication date	Application number	Application date
AR071578 AA	20100630	AR2009P101184	20090403
BRPI0911168 A2	20151013	BR2009P111168	20090401
CA2718921 AA	20100917	CA20092718921	20090401
CN101981249 A	20110223	CN200980111500	20090401
DE602009015587 D1	20130704	DE200960015587T	20090401
EP2260141 A2	20101215	EP20090755432	20090401
EP2260141 B1	20130508	EP20090755432	20090401
IN06794DN2010 A	20110729	IN2010DN06794	20100927
JP2011519979 T2	20110714	JP20110503137T	20090401
MX2010010927 A1	20101105	MX20100010927	20090401
US2009249562 AA	20091008	US20090322796	20090206
US2012246840 AA	20121004	US20110315534	20111209
US8097047 BB	20120117	US20090322796	20090206
WO09146069 A2	20091203	WO2009US39115	20090401
WO09146069 A3	20100429	WO2009US39115	20090401
ZA201006926 A	20130327	ZA20100006926	20100929

Priority:

US20080072688P 20080402 US20090322796 20090206 EP20090755432 20090401
WO2009US39115 20090401 US20110315534 20111209

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Assignee(s): PROCTER AND GAMBLE CO ; PROCTER AND GAMBLE CO CINCINNATI ; THE PROCTER AND GAMBLE COMPANY

Inventor(s): (std): MARIE FRANKENBACH GAYLE ; ROBERT SIVIK MARK ; TIMOTHY CREEDON MICHAEL ; VENKATA GANAPATHYSUNDARAM RAMANAN ; LYNN GERDES ALLISON ; SIVIK MARK ROBERT ; FRANKENBACH GAYLE MARIE ; GERDES ALLISON LYNN ; GANAPATHYSUNDARAM RAMANAN VENKATA ; CREEDON MICHAEL TIMOTHY ; WANING GREGORY T ; GANAPATHYSUNDARAM RAMANA VENKATA

Inventor(s): WANING GREGORY ; SIVIK MARK ; CREEDON MICHAEL ; GERDES ALLISON ; FRANKENBACH GAYLE ; GANAPATHYSUNDARAM RAMANAN ; GREGORY T WANING ; RAMANAN VENKATA GANAPATHYSUNDARAM ; ALLISON LYNN GERDES ; MARK ROBERT SIVIK ; MICHAEL TIMOTHY CREEDON ; GAYLE MARIE FRANKENBACH ; SIVIK MARK ROBERT MASON ; GANAPATHYSUNDARAM RAMANAN VENKATA BLUE ASH ; WANING GREGORY T FAIRFIELD ; CREEDON MICHAEL TIMOTHY FAIRFIELD ; GERDES ALLISON LYNN MASON ; FRANKENBACH GAYLE MARIE CINCINNATI

Agent(s): KIRBY EADES GALE BAKER; GOODIER CLAIRE LOUISE; THE PROCTER AND GAMBLE COMPANY,GLOBAL LEGAL DEPARTMENT - IP; PROCTER AND GAMBLE CO GLOBAL LEGAL DEPARTMENT IP; JULIE A; ANDREW J; THE PROCTER AND GAMBLE COMPANY

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ
DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP
KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ
NA NE NG NI NL NO NZ OM PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TJ TM
TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

Title: Oxidation of vat and sulfur dyes with vanadate activated bromate or iodate

Abstract: An improved process for oxidizing vat or sulfur dyes is provided wherein the reduced form of the dye is oxidized by contact with an aqueous oxidizing solution comprising an alkali metal or ammonium vanadate and an oxidant comprising an alkali metal or ammonium bromate or iodate.

Classifications:

International (IPC 8-9): C09B67/28 C09K3/00 D06P1/22 D06P1/30 D06P1/32 D06P1/673 D06P3/52 D06P3/60 D06P3/70 (Advanced/Invention); C09B67/00 D06P1/00 D06P1/44 D06P3/34 D06P3/58 D06P3/70 (Core/Invention)

International (IPC 1-7): C09B49/00 C09B65/00 C09B9/00 C09K3/00 D06P1/22 D06P1/30 D06P1/32 D06P1/673 D06P3/60 D06P5/02

CPC: D06P1/67358 D06P3/523 D06P3/701 Y10S8/918 D06P1/222 C09B67/0077 D06P1/30

European: C09B67/00P6 D06P1/22D D06P1/30 D06P1/673K3H D06P3/52D D06P3/70D

US: 8/34 8/627 8/634 8/650 8/651 8/652 8/918

JP F-Term: 4H057 4H057/AA02 4H057/BA06 4H057/BA09 4H057/CA07 4H057/CB34 4H057/CB40 4H057/CB45 4H057/CB46 4H057/CB55 4H057/CB61 4H057/CC02 4H057/DA01 4H057/DA24 4H057/HA19 4H157 4H157/AA02 4H157/BA06 4H157/BA09 4H157/CA07 4H157/CB34 4H157/CB40 4H157/CB45 4H157/CB46 4H157/CB55 4H157/CB61 4H157/CC02 4H157/DA01 4H157/DA24 4H157/HA19 4H057/AA01 4H057/CA08 4H057/CA28 4H057/CA90 4H057/CB36 4H057/CB56 4H057/CB59 4H057/DA34 4H157/AA01 4H157/CA08 4H157/CA28 4H157/CA90 4H157/CB36 4H157/CB56 4H157/CB59 4H157/DA34

JP F-Index: D06P3/60/B D06P1/22 D06P1/30/A D06P1/673

PatBase - CA1081936_A1

SUBSTITUTE

REMPLACEMENT

SECTION Is not Present

Cette Section est Absente

Family:

Publication number	Publication date	Application number	Application date
BR7502761 A	19760316	BR19750003524	19750507
BR7607248 A	19770913	BR19760007248	19761029
CA1062855 A1	19790925	CA19750225163	19750422
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DE2520724 B2	19760506	DE19752520724	19750509
DE2520724 C3	19761230	DE19752520724	19750509
DE2652779 A1	19770526	DE19762652779	19761119
DE2652779 B2	19780921	DE19762652779	19761119
DE2652779 C3	19790517	DE19762652779	19761119
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Priority:

US19740468703 19740510
CA19760261786 19760922

US19750633239 19751119

US19750634795 19751124

Probable Assignee: OLIN CORP

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Inventor(s): DOERR RICHARD LYMAN ORANGE CONN VSTA ; RICHAAADO RAIMAN DOAA ; LYMAN DOERR RICHARD ; DOERR RICHARD LYMAN ORANGE CONN V ST A

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