

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
18 May 2006 (18.05.2006)

PCT

(10) International Publication Number
WO 2006/052698 A3

(51) International Patent Classification:
C09J 7/02 (2006.01) **B44C 1/10** (2006.01)

(21) International Application Number:
PCT/US2005/039890

(22) International Filing Date: 31 October 2005 (31.10.2005)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
10/982,758 5 November 2004 (05.11.2004) US

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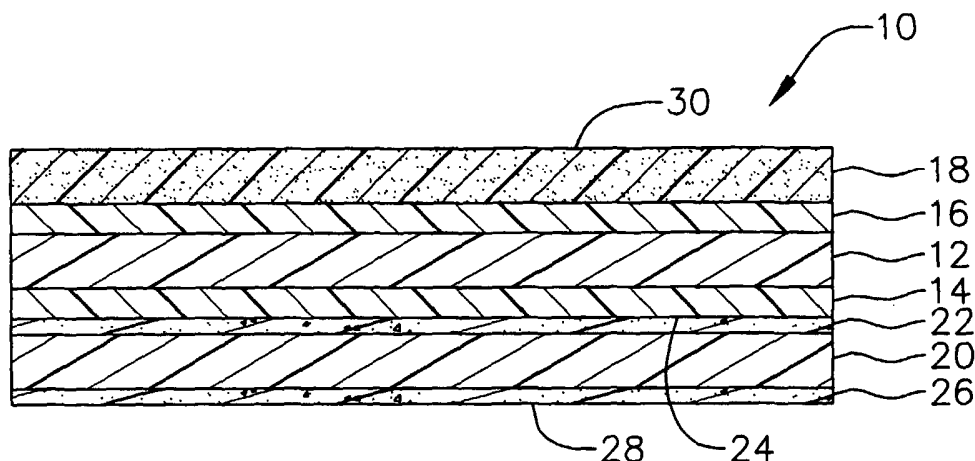
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(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

[Continued on next page]

(54) Title: MULTI-LAYER DRY PAINT DECORATIVE LAMINATE HAVING DISCOLORATION PREVENTION BARRIER



(57) Abstract: A decorative dry paint wall film includes a layer of dry paint (12), a pressure-sensitive adhesive layer (18) on one side of the dry paint layer, and a release liner (20) in releasable contact with the dry paint layer on a side opposite from the pressure-sensitive adhesive (PSA). The release liner has a matte release coat layer (22) that contacts the dry paint layer (12). The release liner is released from the dry paint layer after the PSA side is attached to a wall. The matte release coat transfers a matte finish to the dry paint layer when the release liner is removed. The wall film includes a barrier layer (16) to protect against significant discoloration of the color in the dry paint layer caused by migration of azo-type pigments from a painted wall surface. The barrier layer in one embodiment comprises a dry emulsion containing ethylene-vinyl alcohol and a dispersed polymeric material which in one embodiment comprises a urethane material.



WO 2006/052698 A3



Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(88) Date of publication of the international search report:

29 June 2006

INTERNATIONAL SEARCH REPORT

International application No
PCT/US2005/039890

A. CLASSIFICATION OF SUBJECT MATTER
INV. C09J7/02 B44C1/10

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
C09J B44C

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2004/161568 A1 (TRUOG KEITH L ET AL) 19 August 2004 (2004-08-19) paragraphs [0005], [0055], [0061], [0115]; figure 8	1-25
A	US 6 331 352 B1 (BRADLEY CREG G ET AL) 18 December 2001 (2001-12-18) column 4, lines 52-62	1-25
A	US 6 025 070 A (HEEDERIK ET AL) 15 February 2000 (2000-02-15) the whole document	

☐ Further documents are listed in the continuation of Box C.

☒ See patent family annex.

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Date of the actual completion of the international search

26 April 2006

Date of mailing of the international search report

08/05/2006

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INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

PCT/US2005/039890

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 2004161568 A1	19-08-2004	CN 1747831 A	15-03-2006
		US 2006029765 A1	09-02-2006
		US 2004161564 A1	19-08-2004
		US 2004161566 A1	19-08-2004
		US 2004161567 A1	19-08-2004
		US 2004159969 A1	19-08-2004
US 6331352 B1	18-12-2001	AU 6632200 A	13-03-2001
		DE 10084889 T0	07-11-2002
		JP 2003507523 T	25-02-2003
		MX PA02001485 A	02-07-2002
		WO 0112742 A1	22-02-2001
US 6025070 A	15-02-2000	AU 722456 B2	03-08-2000
		AU 7508296 A	05-06-1997
		CA 2237820 A1	22-05-1997
		DE 69606195 D1	17-02-2000
		DE 69606195 T2	21-09-2000
		DK 861306 T3	22-05-2000
		EP 0861306 A1	02-09-1998
		ES 2143789 T3	16-05-2000
		NL 1001657 C2	21-05-1997
		WO 9718275 A1	22-05-1997
		TW 458885 B	11-10-2001
		ZA 9609575 A	23-06-1997