



(43) International Publication Date
27 September 2012 (27.09.2012)

- (51) International Patent Classification:
B32B 27/32 (2006.01) *G09F 3/02* (2006.01)
C08L 23/06 (2006.01)
- (21) International Application Number: PCT/FI2012/050298
- (22) International Filing Date: 23 March 2012 (23.03.2012)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
61/466,532 23 March 2011 (23.03.2011) US
- (71) Applicant (for all designated States except US): **UPM Raflatac Oy** [FI/FI]; Tesomankatu 31, FI- 33310 Tampere (FI).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): **MITCHELL, Noel** [AU/DE]; Horather Str. 180A, 42111 Wuppertal (DE). **VÄHÄLÄ, Martti** [FI/FI]; Nekalantie 98 C 10, FI-33820 Tampere (FI). **SAXBERG, Tom** [FI/FI]; Hiekkakuja 2 A 21, FI-33230 Tampere (FI).
- (74) Agent: **TAMPEREEN PATENTTI TOIMISTO OY**; Hermiankatu 1 B, FI-33720 Tampere (FI).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM,

AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AL, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

- with international search report (Art. 21(3))
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments (Rule 48.2(h))

- (88) Date of publication of the international search report:
15 November 2012

(54) Title: LABEL FACESTOCK FILM

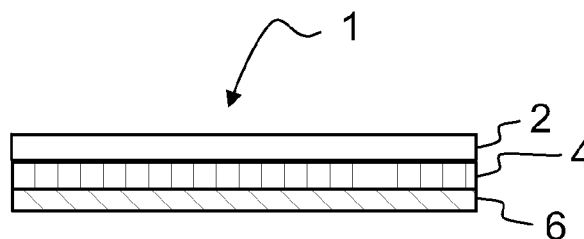


Fig. 1

(57) Abstract: The invention relates to a facestock of a label, and to a label having a facestock, wherein the facestock layer comprises at least linear low density polyethylene or high density polyethylene, and an additive comprising hydrocarbon resin. The invention also relates to a method for manufacturing such labels. The invention further relates to a combination of an item and a label, wherein the label has been attached to a surface of the item.



INTERNATIONAL SEARCH REPORT

International application No.

PCT/FI2012/050298

A. CLASSIFICATION OF SUBJECT MATTER

See extra sheet

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)

IPC: B32B, C08L, G09F

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

FI, SE, NO, DK

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

EPO-Internal, rm26, WPI

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2002155283 A1 (CARTER BRANDT K et al.) 24 October 2002 (24.10.2002) claims 1-7, 14-18 and 32; paragraphs [0038]-[0040]; [0053]; [0066]	1-12
X	US 5176948 A (NGUYEN NGA K et al.) 05 January 1993 (05.01.1993) column 2, rows 38-43; column 5, rows 9-11 and 25	1-12
X	US 2009068486 A1 (BLACKWELL CHRISTOPHER J et al.) 12 March 2009 (12.03.2009) paragraphs [0045]; [0059]; [0074]; claims 1-8; examples S24-S30	1-12
X	US 2007218308 A1 (LEWTAS KENNETH et al.) 20 September 2007 (20.09.2007) claims 58-93	1-12

 Further documents are listed in the continuation of Box C.
 See patent family annex.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search

28 September 2012 (28.09.2012)

Date of mailing of the international search report

01 October 2012 (01.10.2012)

Name and mailing address of the ISA/FI
National Board of Patents and Registration of Finland
P.O. Box 1160, FI-00101 HELSINKI, Finland

Facsimile No. +358 9 6939 5328

Authorized officer
Santeri Paavola

Telephone No. +358 9 6939 500

INTERNATIONAL SEARCH REPORT
Information on patent family members

International application No.
PCT/FI2012/050298

Patent document cited in search report	Publication date	Patent family members(s)	Publication date
US 2002155283 A1	24/10/2002	TW 552289B B	11/09/2003
		WO 02064674 A2	22/08/2002
		JP 2004524400 A	12/08/2004
		EP 1360230 A2	12/11/2003
		CN 1610721 A	27/04/2005
		CA 2435625 A1	22/08/2002
		BR 0116874 A	10/02/2004
.....			
US 5176948 A	05/01/1993	MX 9207002 A	01/06/1993
		ZA 9209102 A	24/05/1994
		WO 9312512 A1	24/06/1993
		JP H07501898 A	23/02/1995
		ES 2099937T T3	01/06/1997
		EP 0616716 A1	28/09/1994
		DE 69218243T T2	28/08/1997
		CA 2123318 A1	24/06/1993
		BR 9206907 A	02/05/1995
		AU 3177793 A	19/07/1993
AT 150197T T	15/03/1997		
.....			
US 2009068486 A1	12/03/2009	WO 2006071826 A1	06/07/2006
		JP 2008525235 A	17/07/2008
		EP 1831018 A1	12/09/2007
		CN 101084116 A	05/12/2007
		AU 2005322092 A1	06/07/2006
.....			
US 2007218308 A1	20/09/2007	WO 2006019544 A1	23/02/2006
		EP 1769027 A1	04/04/2007
		CN 1984952 A	20/06/2007
.....			

CLASSIFICATION OF SUBJECT MATTER

Int.Cl.

B32B 27/32 (2006.01)

C08L 23/06 (2006.01)

G09F 3/02 (2006.01)