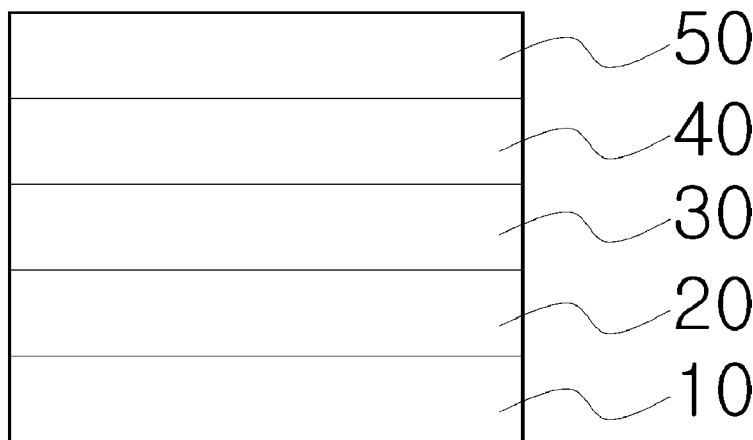




- (51) **International Patent Classification:**
H01L 51/52 (2006.01) *H05B 33/22* (2006.01)
 - (21) **International Application Number:**
PCT/KR2012/004685
 - (22) **International Filing Date:**
14 June 2012 (14.06.2012)
 - (25) **Filing Language:** English
 - (26) **Publication Language:** English
 - (30) **Priority Data:**
10-2011-0057721 15 June 2011 (15.06.2011) KR
10-2011-0140060
22 December 2011 (22.12.2011) KR
10-2012-0063381 13 June 2012 (13.06.2012) KR
 - (71) **Applicant (for all designated States except US):** **KOLON INDUSTRIES, INC.** [KR/KR]; 1-23, Byeoryang-dong, Gwacheon-si, Gyeonggi-do 427-709 (KR).
 - (72) **Inventors; and**
 - (75) **Inventors/Applicants (for US only):** **KIM, Chong Won** [KR/KR]; #321-506, Doryang 3 Jugong Apt., Doryang-dong, Gumi-si, Gyeongbuk 730-020 (KR). **BAEK, Sang-Hyun** [KR/KR]; #407-401, 4Jugong Apt., Hyeong-gok-dong, Gumi-si, Gyeonggi-do 427-709 (KR). **KIM, Si Min** [KR/KR]; #105-302, Cheongnam Town, Igok-dong, Dalseo-gu, Daegu 704-140 (KR).
 - (74) **Agents:** **KWON, Oh-Sig** et al.; 401, Joeeun Officetel, 138 Dunsanjung-ro, Seo-gu, Daejeon 302-120 (KR).
 - (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, 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, 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))
- (88) **Date of publication of the international search report:**
14 March 2013

(54) **Title:** LITI DONOR FILM



(57) **Abstract:** Provided is a laser induced thermal imaging (LITI) donor film including: a base film, a primer layer, a light-to-heat conversion layer, an interlayer, and a transfer layer, wherein the light-to-heat conversion layer includes a resin composition including a thermosetting resin and a light-to-heat conversion material, and the interlayer includes a UV curable resin and has a surface energy of 35mN/m or less.

WO 2012/173397 A3

INTERNATIONAL SEARCH REPORT

International application No.
PCT/KR2012/004685**A. CLASSIFICATION OF SUBJECT MATTER****H01L 51/52(2006.01)i, H05B 33/22(2006.01)i**

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)

H01L 51/52; B41M 5/26; C09K 11/06; B41M 5/38; H05B 33/18; H05B 33/10

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

Korean utility models and applications for utility models

Japanese utility models and applications for utility models

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

eKOMPASS(KIPO internal) & Keywords: LITI donor film, surface energy, pencil hardness

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	JP 11-099755 A (E I DU PONT DE NEMOURS & CO) 13 April 1999 See claims 1-35, figure 4, paragraphs [0021]-[0125]	1-21
A	KR 10-2006-0020042 A (Samsung SDI CO., LTD) 06 March 2006 See claims 1, 7, 9-11, figures 1a - 1c	1-21
A	KR 10-2005-0019966 A (Samsung SDI CO., LTD) 04 March 2005 See claims 1-4, 23-31, figures 2-5	1-21
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 Further documents are listed in the continuation of Box C. See patent family annex.

* Special categories of cited documents:

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"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

21 DECEMBER 2012 (21.12.2012)

Date of mailing of the international search report

26 DECEMBER 2012 (26.12.2012)

Name and mailing address of the ISA/KR

Korean Intellectual Property Office
189 Cheongsa-ro, Seo-gu, Daejeon Metropolitan
City, 302-701, Republic of Korea

Facsimile No. 82-42-472-7140

Authorized officer

Kim, Ju Seung

Telephone No. 82-42-481-8576



INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

PCT/KR2012/004685

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