



- (51) **International Patent Classification:**
G06K 9/20 (2006.01) *G06K 9/46* (2006.01)
- (21) **International Application Number:**
PCT/US2012/038946
- (22) **International Filing Date:**
22 May 2012 (22.05.2012)
- (25) **Filing Language:** English
- (26) **Publication Language:** English
- (30) **Priority Data:**
2011-120763 30 May 2011 (30.05.2011) JP
- (71) **Applicant (for all designated States except US):** 3M IN-
NOVATIVE PROPERTIES COMPANY [US/US]; 3M
Center, Post Office Box 33427, Saint Paul, Minnesota
55133-3427 (US).
- (72) **Inventor; and**
- (75) **Inventor/Applicant (for US only):** KAWATE, Kohichiro,
[JP/JP]; 33-1 Tamagawadai 2-chome, Setagaya, Tokyo
158-8583 (JP).
- (74) **Agents:** KULPRATHIPANJA, Ann et al.; 3M Center,
Office of Intellectual Property Center, Post Office Box
33427, Saint Paul, Minnesota 55133-3427 (US).
- (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, 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, 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:**
24 January 2013

(54) **Title:** FILM LAMINATE BODY FOR PRESSURE SENSITIVE FINGERPRINT SENSOR

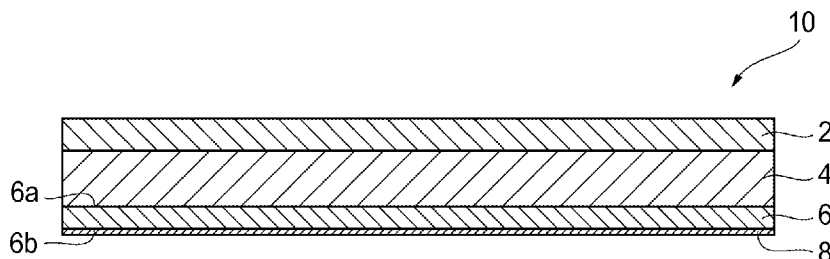


FIG. 1

(57) **Abstract:** To provide a film laminate body for a pressure sensitive fingerprint sensor that can provide an accurate pressure distribution corresponding to the degree of ridges and valleys of a fingerprint, and thereby can clearly recognize the shape of the fingerprint. A film laminate body for a pressure sensitive fingerprint sensor containing a base film with a first surface and a second surface, and a conductive layer formed by a dry film forming process provided on the first surface, and an elastic layer provided on the second surface, which is a side opposite the first surface of the base film, wherein the base film has a thickness of 6 μm or less, and the elastic layer has a thickness no less than the base film, and has elasticity of 10^8 Pa or less.

