

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
1 December 2005 (01.12.2005)

PCT

(10) International Publication Number
WO 2005/113029 A1

(51) International Patent Classification⁷: **A61L 15/44**,
A61F 13/02

(21) International Application Number:
PCT/US2005/015829

(22) International Filing Date: 6 May 2005 (06.05.2005)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
2004-142280 12 May 2004 (12.05.2004) JP

(71) Applicant (for all designated States except US): **3M INNOVATIVE 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): **TAKAKI, Shunsuke**
[JP/JP]; 3-8-8 Minami-Hashimoto 3-chome, Sagamiha-
city, Kanagawa 229-1185 (JP).

(74) Agents: **LAMBERT, Nancy M.** et al.; 3M Center, Office
of Intellectual Property Counsel, 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,
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, KE, KG,
KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,
MG, MK, MN, MW, MX, MZ, NA, 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, 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).

Published:

— with international search report

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

(54) Title: AN IODINE-CONTAINING HOT MELT PRESSURE SENSITIVE ADHESIVE CAPABLE OF BEING MELTED AND
COATED AT A TEMPERATURE NOT HIGHER THAN 100° C, AND A MEDICAL ADHESIVE SHEET PRODUCT WITH
SUCH A PRESSURE SENSITIVE ADHESIVE

(57) Abstract: An object of the invention is to provide an iodine-containing hot melt pressure sensitive adhesive that can be melted
and coated at a temperature not higher than 100°C, and that can retain stability of the iodine in the adhesive through all stages of
making, storage and use thereof, without utilizing any harmful organic solvent, while utilizing the antimicrobial efficacy of iodine.

WO 2005/113029 A1