

(43) International Publication Date
20 December 2012 (20.12.2012)

- (51) **International Patent Classification:**
B24D 3/20 (2006.01) **B24D 3/34** (2006.01)
B24D 11/00 (2006.01)
- (21) **International Application Number:**
PCT/US2012/041535
- (22) **International Filing Date:**
8 June 2012 (08.06.2012)
- (25) **Filing Language:** English
- (26) **Publication Language:** English
- (30) **Priority Data:**
2011-131587 13 June 2011 (13.06.2011) JP
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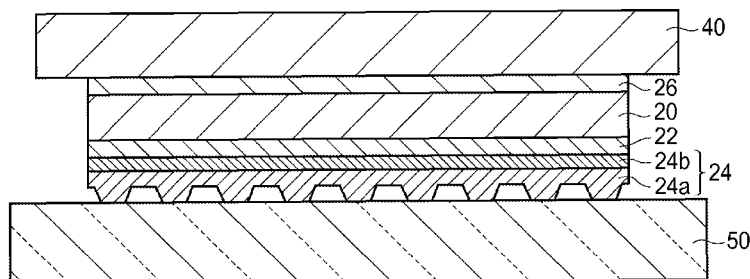
(81) **Designated States** (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, KE, KG, 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))

(88) **Date of publication of the international search report:**
2 May 2013

(54) **Title:** STRUCTURAL MEMBER FOR POLISHING**FIG. 4**

(57) **Abstract:** A structural member for polishing including a supporting member, a polishing material, and an adhesive agent layer bonding these together. The adhesive agent layer includes a polymer of monomers including from 58 to 85 wt% of a first monomer, from 2 to 7 wt% of a second monomer, and from 10 to 40 wt% of a third monomer. The first monomer is an alkyl (meth)acrylate having an alkyl group with carbon counts from 8 to 18 carbon atoms and provides a homopolymer with a glass transition temperature of 0°C or less. The second monomer is a polar monomer that provides a homopolymer with a glass transition temperature of 50°C or greater. The third monomer is an alkyl (meth)acrylate having an alkyl group with carbon counts from 4 to 18 carbon atoms or an aralkyl group having carbon counts from 7 to 18 carbon atoms and provides a homopolymer with a glass transition temperature of 10°C or greater.

A. CLASSIFICATION OF SUBJECT MATTER***B24D 3/20(2006.01)i, B24D 11/00(2006.01)i, B24D 3/34(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)

B24D 3/20; B24D 13/14; B24D 3/02; B24B 37/04; B24D 3/28; B24B 1/00; B24D 11/00

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: polishing, polymer, carbon, alkyl and similar terms.

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 6190746 B1 (ISHII, HIDEYUKI et al.) 20 February 2001 See abstract, column 2-5 and figure 1.	1-9
A	US 6616520 B1 (KAWAHARA, SHINICHIRO et al.) 09 September 2003 See abstract, column 1, line 66 - column 2, line 15.	1-9
A	US 7169199 B2 (BARBER Jr., LOREN L. et al.) 30 January 2007 See abstract, column 6, line 51 - column 7, line 36.	1-9
A	US 6666752 B1 (YAMAMOTO, MASAYOSHI et al.) 23 December 2003 See abstract, column 2, lines 50-65 and figure 2.	1-9
A	WO 01-45900 A1 (RODEL HOLDINGS INC.) 28 June 2001 See abstract, page 7, line 29 - page 8, line 18.	1-9



Further documents are listed in the continuation of Box C.



See patent family annex.

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"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

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Date of the actual completion of the international search

13 FEBRUARY 2013 (13.02.2013)

Date of mailing of the international search report

15 FEBRUARY 2013 (15.02.2013)

Name and mailing address of the ISA/KR

Korean Intellectual Property Office
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City, 302-701, Republic of Korea

Facsimile No. 82-42-472-7140

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INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

PCT/US2012/041535

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