(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
17 February 2011 (17.02.2011)

PCT

(10) International Publication Number
WO 2011/018521 A2

(51) International Patent Classification:
B81B 3/00 (2006.01)

(21) International Application Number:
PCT/EP2010/061850

(22) International Filing Date:
13 August 2010 (13.08.2010)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
20092837 14 August 2009 (14.08.2009) NO

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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, 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, RO, RS, RU, 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, 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, SE, SI, SK,

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(54) Title: MICRO MECHANICAL ELEMENT

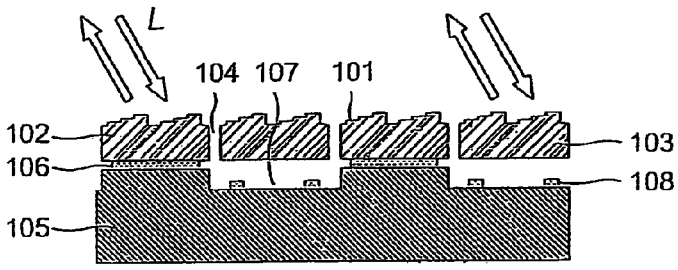


FIG. 1A

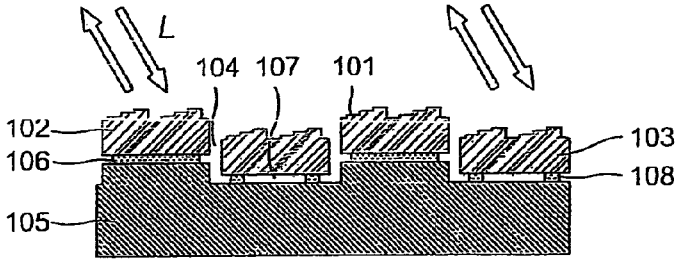


FIG. 1B

(57) Abstract: The invention relates to a micromechanical unit, in particular, an adjustable optical filter, and also a method to manufacture the unit. The unit comprises a first device layer and a second substrate layer at least partially fastened to each other, where the device layer comprises a number of reflecting elements divided between a number of non movable, fixed reflecting elements, where the fixed elements are connected with the substrate, and where a cavity is defined between the substrate and each movable element and each movable element is set up to produce a spring-loaded movement into the cavity, and where a number of dielectric spacer blocks are placed in the cavities between each movable element and the substrate to avoid electric contact between them.

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SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

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Published:

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