

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
31 December 2008 (31.12.2008)

PCT

(10) International Publication Number
WO 2009/001909 A3

- (51) International Patent Classification:
H01J 49/42 (2006.01) H01J 49/40 (2006.01)
- (21) International Application Number:
PCT/JP2008/061677
- (22) International Filing Date:
20 June 2008 (20.06.2008)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
0712252.6 22 June 2007 (22.06.2007) GB
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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, 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, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, 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, 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, HR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, NO, 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 (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:
8 October 2009

(54) Title: A MULTI-REFLECTING ION OPTICAL DEVICE

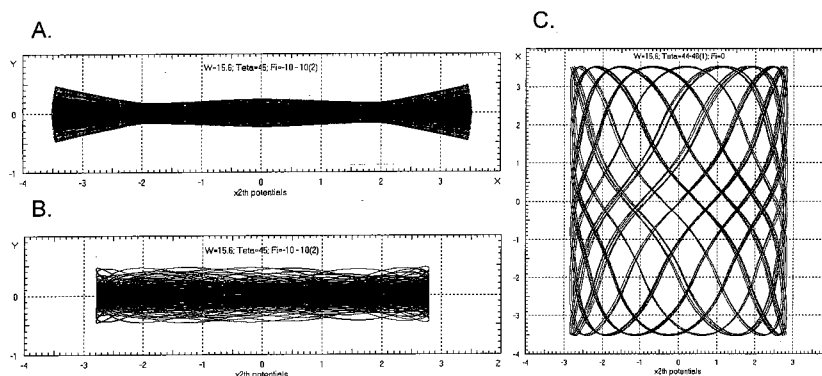


Fig.8

(57) Abstract: A multi-reflecting ion optical device includes electrostatic field generating means configured to generate electrostatic field defined by a superposition of first and second distributions of electrostatic potential Φ , Φ . The first distribution Φ subjects ions to energy focusing in a flight direction and the second distribution Φ subjects ions to stability in one lateral direction, to stability in another lateral direction for the duration of at least a finite number of oscillations in the one lateral direction and to subject ions to energy focusing in the one lateral direction for a predetermined energy range.



WO 2009/001909 A3

INTERNATIONAL SEARCH REPORT

International application No

PCT/JP2008/061677

A. CLASSIFICATION OF SUBJECT MATTER INV. H01J49/42 H01J49/40		
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) H01J		
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched		
Electronic data base consulted during the international search (name of data base and, where practical, search terms used) EPO-Internal, WPI Data		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 2005/001878 A2 (LECO CORP [US]; VERENTCHIKOV ANATOLI N [RU]; YAVOR MIKHAIL [RU]; MITCH) 6 January 2005 (2005-01-06) the whole document	1-14
X	WO 2006/102430 A2 (LECO CORP [US]; VERENTCHIKOV ANATOLI N [RU]; YAVOR MIKHAIL [RU]) 28 September 2006 (2006-09-28) the whole document	1-14
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Date of the actual completion of the international search 19 August 2009		Date of mailing of the international search report 27/08/2009
Name and mailing address of the ISA/ European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Fax: (+31-70) 340-3016		Authorized officer Benfield, Alan

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

PCT/JP2008/061677

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