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(54) **MALDI ION SOURCE WITH A PULSE OF GAS, APPARATUS AND METHOD FOR DETERMINING MOLECULAR WEIGHT OF LABILE MOLECULES**

MALDI IONENQUELLE MIT GASIMPULS, VORRICHTUNG UND VERFAHREN ZUR ERMITTLUNG DES MOLEKULARGEWICHTES LABILEN MOLEKÜLE

SOURCE D'IONS MALDI AVEC IMPULSION DE GAZ, APPAREIL ET PROCEDE PERMETTANT DE DETERMINER LE POIDS MOLECULAIRE DE MOLECULES LABILES

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(73) Proprietor: **DH Technologies Development Pte.**
Ltd.
Singapore 048624 (SG)

- **BELL J ET AL: "SEMICONDUCTOR-DOPED GLASS WAVEGUIDE ELECTRO-ABSORPTION MODULATOR" ELECTRONICS LETTERS,GB,IEE STEVENAGE, vol. 26, no. 14, 5 July 1990 (1990-07-05), pages 976-977, XP000107127 ISSN: 0013-5194**
- **KRUTCHINSKY A.N. ET AL: 'ORTHOGONAL INJECTION OF MATRIX-ASSISTED LASER DESORPTION/IONIZATIONIONS INTO A TIME-OF-FLIGHT SPECTROMETER THROUGH A COLLISIONAL DAMPING INTERFACE' RAPID COMMUNICATIONS IN MASS SPECTROMETRY, HEYDEN, LONDON, GB vol. 12, 01 January 1998, pages 508 - 518, XP000900959 ISSN: 0951-4198**

(72) Inventors:

- **VERENTCHIKOV, Anatoli, N.**
Boston, MA 02116 (US)
- **VESTAL, Marvin, L.**
Framingham, MA 01701 (US)
- **SMIRNOV, Igor, P.**
Brookline, MA 02146 (US)

(74) Representative: **Fennell, Gareth Charles**
D Young & Co LLP
120 Holborn
London EC1N 2DY (GB)

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