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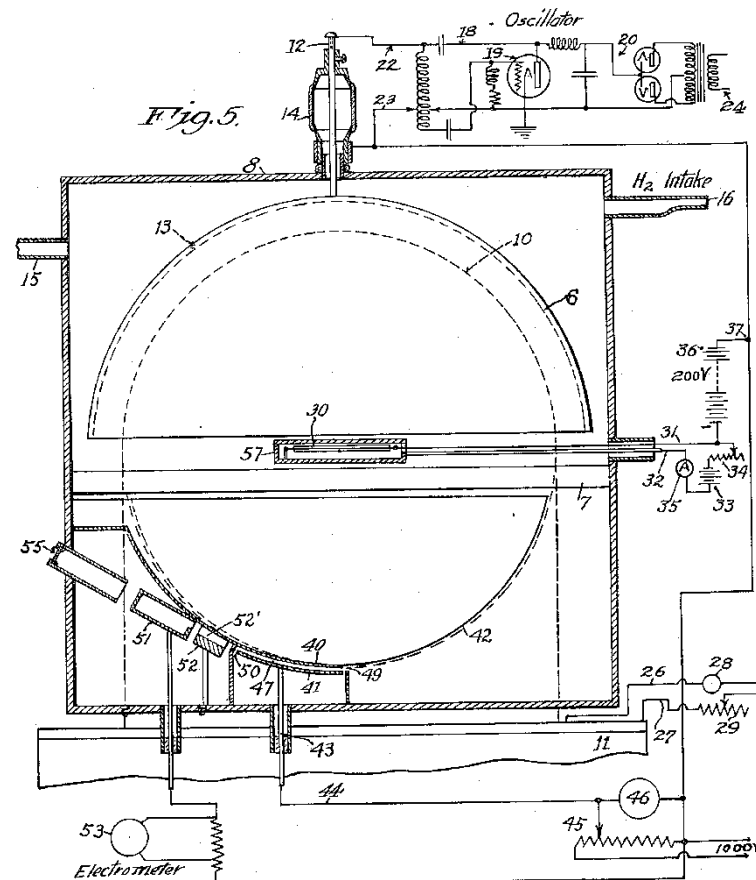
E. O. LAWRENCE

1,948,384

METHOD AND APPARATUS FOR THE ACCELERATION OF IONS

Filed Jan. 26, 1932

2 Sheets-Sheet 2



Advances in Ionization Techniques & Mechanisms

American Chemical Society Fall National Meeting
San Francisco | August 11, 2014

- 8:30 Introductory Remarks
- 8:35 **Richard H. Perry**, Kevin C. Peters, Kevin E. Parker, Troy J. Comi
Department of Chemistry, University of Illinois at Urbana Champaign
Development of Multi-Stage Reactive Transmission Mode Desorption Electrospray Ionization Mass Spectrometry for Characterizing Multicatalytic Reactions
- 9:05 **Hao Chen**, Pengyuan Liu, Amanda Forni
Department of Chemistry and Biochemistry, Ohio University
Development of Solvent-Free Ambient Mass Spectrometry for Green Chemistry Applications
- 9:35 **Richard N. Zare**,¹ Jae Kyoo Lee,^{1,2} Hong Gil Nam²
¹*Department of Chemistry, Stanford University*
²*Institute for Basic Science, Center for Plant Aging Research, Daegu, Republic of Korea*
Ambient ionization mass spectrometric imaging with high spatiotemporal resolution
- 10:05 Intermission
- 10:25 **David Goodlett**, Tao Liang, Scott R Heron, Shivangi Awasthi, Sung H Yoon, Yue Huang, Michael Wilson, David P A Kilgour
Department of Pharmaceutical Sciences, University of Maryland
Development of a surface acoustic wave nebulization source for mass spectrometry
- 10:55 **Sarah Trimpin**
Department of Chemistry, Wayne State University
Magic Matrices for Ionization in Mass Spectrometry
- 11:25 **Norman J. Dovichi**, Liangliang Sun, Guijie Zhu
Department of Chemistry and Biochemistry, University of Notre Dame
Low zeptomole detection limits with capillary electrophoresis coupled to an improved nanospray
- 11:55 Break for Lunch
- 1:30 **David C. Muddiman**
Department of Chemistry, North Carolina State University
Matrix-Assisted Laser Desorption Electrospray Ionization (MALDESI): From Fundamentals to Tissue and Chemical Imaging
- 2:00 **Robert J. Levis**
Department of Chemistry, Temple University
Matrix-free, ambient pressure mass spectrometry via ultra-intense laser vaporization
- 2:30 **Styliani Consta**
Department of Chemistry, University of Western Ontario
Molecular modeling of the ejection mechanisms of macromolecules from charged nanodroplets
- 3:00 Intermission
- 3:20 **Matthew F. Bush**, Samuel J. Allen, Kimberly L. Davidson
Department of Chemistry, University of Washington
Native Electrospray Ionization: From Initial Droplets to Final Ions
- 3:50 **Rachel R. Ogorzalek Loo**, Joseph A. Loo
Department of Biological Chemistry, University of California, Los Angeles
Charges in protein electrospray ionization: Like or opposite?
- 4:20 **Evan R. Williams**
Department of Chemistry, University of California, Berkeley
Supercharging, Fast Mixing and Charge Detection in Mass Spectrometry