

Title (en)

ELECTRONIC CYCLOTRON RESONANCE ION SOURCE WITH COAXIAL INJECTION OF ELECTROMAGNETIC WAVES

Publication

EP 0238397 B1 19900523 (FR)

Application

EP 87400536 A 19870311

Priority

FR 8603583 A 19860313

Abstract (en)

[origin: US4780642A] Electron cyclotron resonance ion source having an enclosure containing a plasma of ions and electrons formed by electron cyclotron resonance from a sample. The enclosure is connected to a transition cavity by a first conductive duct, and by a second conductive duct traversing the cavity and the first duct. The sample is introduced into the enclosure by the second duct, and the cavity is laterally connected to a vacuum source and to an electromagnetic wave generator by a tight, transparent window.

IPC 1-7

H01J 27/18

IPC 8 full level

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CPC (source: EP US)

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Cited by

EP0283519A4; DE19933762A1; DE19933762C2; EP0527082A1; FR2680275A1; EP0532411A1; FR2681186A1; US5350974A; EP0514255A1; FR2676593A1; US5336961A; FR2679066A1; EP0374011A1; FR2640411A1

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