

Title (en)

Process and device using an ECR source for the production of strongly charged heavy ions.

Title (de)

Verfahren und Vorrichtung unter Benutzung einer ECR-Quelle für die Herstellung von hochgeladenen, schweren Ionen.

Title (fr)

Procédé et dispositif utilisant une source RCE pour la production d'ions lourds fortement chargés.

Publication

EP 0374011 B1 19940406 (FR)

Application

EP 89403384 A 19891206

Priority

FR 8816141 A 19881208

Abstract (en)

[origin: EP0374011A1] Process for producing ions using an ion source of the type with "several magnetic layers of electron cyclotron resonance" in which an electron beam is injected into the hyperfrequency cavity (10) of the ion source, these electrons possessing energy at least equal to the ionisation threshold energy of the atoms to be ionised; preferably, this energy lies between three and four times the energy of this ionisation threshold. <IMAGE>

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CPC (source: EP)

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