

Title (en)

METHOD OF PRODUCING MULTI-CHARGED IONS

Publication

**EP 0130907 B1 19880907 (FR)**

Application

**EP 84401359 A 19840626**

Priority

FR 8310862 A 19830630

Abstract (en)

[origin: EP0130907A1] 1. Process for the production of multicharged ions by ionization of a first gas constituted by neutral atoms of elements chosen from the group including carbon, nitrogen, oxygen, neon, argon and krypton, introduced into the enclosure (1) of an ion source operating under pulse-like conditions, comprising also introducing into the ion source enclosure (1) a second gas, which is helium when it is wished to ionize neutral atoms of carbon, nitrogen, oxygen or neon, and nitrogen or oxygen when it is wished to ionize the neutral atoms or krypton.

IPC 1-7

**H01J 27/18**

IPC 8 full level

**H01J 27/02** (2006.01); **H01J 27/18** (2006.01); **H05H 7/08** (2006.01)

CPC (source: EP)

**H01J 27/18** (2013.01)

Cited by

DE19933762A1; DE19933762C2; FR2679066A1; EP0252845B1

Designated contracting state (EPC)

DE FR GB NL

DOCDB simple family (publication)

**EP 0130907 A1 19850109**; **EP 0130907 B1 19880907**; DE 3473966 D1 19881013; FR 2548436 A1 19850104; FR 2548436 B1 19860110; JP S6037638 A 19850227

DOCDB simple family (application)

**EP 84401359 A 19840626**; DE 3473966 T 19840626; FR 8310862 A 19830630; JP 13503184 A 19840629