

Title (en)  
METHOD FOR MODULATING A MAGNETIC FIELD CONFIGURATION

Title (de)  
VERFAHREN ZUM MODULIEREN DER KONFIGURATION EINES MAGNETISCHEM FELDES

Title (fr)  
PROCEDE DE MODULATION DE LA CONFIGURATION D'UN CHAMP MAGNETIQUE

Publication  
**EP 1080612 A1 20010307 (FR)**

Application  
**EP 99920917 A 19990526**

Priority  

- FR 9901225 W 19990526
- FR 9806578 A 19980526

Abstract (en)  
[origin: FR2779317A1] The invention concerns a method for modulating the configuration of a magnetic field (B) defined by its axial component (Bz) and its radial component (Br) for confining a plasma generated by electronic cyclotronic resonance at a value RECR of the field (B), and having symmetry with respect to an axis or revolution (z). The invention is characterised in that it consists in continuously adjusting at least locally the magnetic field (B) intensity and/or direction to modulate its configuration in a domain where, the axial component (Bz) module takes on values located on either side of the resonance value (RECRZ) and which is delimited between a first configuration wherein said module variations along the axis of revolution (z) have a low gradient, and a second configuration, wherein said module variations have a high gradient, the value of the magnetic field maximum module/magnetic field minimum module ratio being more than 1.5 and preferably more than two.

IPC 1-7  
**H05H 1/18; H01J 27/18**

IPC 8 full level  
**H01J 27/18** (2006.01); **H05H 1/18** (2006.01)

CPC (source: EP)  
**H01J 27/18** (2013.01); **H05H 1/18** (2013.01)

Citation (search report)  
See references of WO 9962306A1

Designated contracting state (EPC)  
BE DE DK ES FI FR GB IT NL SE

DOCDB simple family (publication)  
**FR 2779317 A1 19991203; FR 2779317 B1 20000818**; AU 3831599 A 19991213; EP 1080612 A1 20010307; WO 9962306 A1 19991202

DOCDB simple family (application)  
**FR 9806578 A 19980526**; AU 3831599 A 19990526; EP 99920917 A 19990526; FR 9901225 W 19990526