

**DEVICE FOR GENERATING PLASMA HAVING A HIGH RANGE
ALONG AN AXIS BY ELECTRON CYCLOTRON RESONANCE (ECR)
FROM A GASEOUS MEDIUM.**

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ABSTRACT

The device includes at least two coaxial waveguides (4) each formed of a central conductor (1) and of an external conductor (2) to bring microwaves into a treatment chamber, characterized in that at least the two electromagnetic wave
10 injection guides (4) are combined with a magnetic circuit (21-22) elongated in one direction, said magnetic circuit surrounding the waveguides by creating a magnetic field capable of achieving an ECR condition close to said waveguides.

15 **FIGURE 5A**