CLAIMS

1 – Method for producing one or more radio-frequency resonant patterns (10) on a printed circuit (11) characterized in that it includes a step of cutting one or more resonant patterns (10) directly into the printed circuit (11) whilst preserving ~~means~~ portions (13) of the printed circuit for mechanically securing the resonant patterns to said printed circuit (11), said resonant patterns thus obtained floating in large part in air.

2 – Method for producing one or more radio-frequency resonant patterns (10) on a printed circuit (11) comprising a plurality of layers characterized in that it includes in combination at least the following steps:

a) the internal layers of the multilayer printed circuit are chemically etched, after which the printed circuit is pressed,

b) a plurality of holes is produced necessary for producing conductive metalized vias,

c) the metalized vias are metalized,

d) the external layers of said printed circuit are chemically etched,

e) one or more of the following are produced by milling: external cutting of the printed circuit, or of the internal contours, or of one or more resonant patterns, leaving ~~means~~ portions of the printed circuit for mechanically securing the resonant patterns relative to the printed circuit, said resonant patterns thus obtained floating in large part in air.

3 – Method according to claim 2 characterized in that the contours of the resonant patterns are milled and the edge surfaces of the contours (12) of the resonant patterns are metalized simultaneously during the step b).

4 – Use of the method according to any one of claims 1 to 3 for the production of resonant patterns of diverse shapes, bars and spirals.

5 – Use of the method according to either of claims 1 or 2 for the production of planar high-frequency filters operating in the band 10 MHz to 10 GHz.

6 – Printed circuit characterized in that it includes one or more radio-frequency resonant patterns produced using the method according to any one of claims 1 to 3.