

SURFACE FOR FILTERING A PLURALITY OF FREQUENCY BANDS

The invention relates to a surface suitable for
5 filtering a plurality of frequency bands, said surface
including a set of separate identical basic conductive
units (31) that are reproduced in a periodic arrangement on
a dielectric substrate (10). The basic unit includes: a
tripole consisting of three identical segments (12) that
10 extend radially from a center (14); and two arms (32) that
extend symmetrically from an intermediate point of each
segment, said intermediate point being located at a common
distance (D_b) from the center (14) for each of the segments
(12). The general directions of both arms form an angle of
15 approximately 120° and define an arrowhead pointed toward
the outside, wherein the arms (32) corresponding to two
separate segments (12) do not intersect.

Figure 3