

ANTENNA SYSTEM

ABSTRACT

An antenna system (10) is provided. The antenna system (10) includes a first substrate (12), the first substrate (12) being a dielectric substrate, a first patch (14) on a first surface (16) of the dielectric substrate (12) and a second patch (18) on a second surface (20) of the dielectric substrate (12). The first and second patches (14, 18) are coupled to form a first capacitor with the dielectric substrate (12). A second substrate (11) is coupled to the first substrate (12) and a ground layer (24) is provided on a first surface (26) of the second substrate (22). An antenna feed (28) is coupled to the second substrate (22).

[FIG. 1A]