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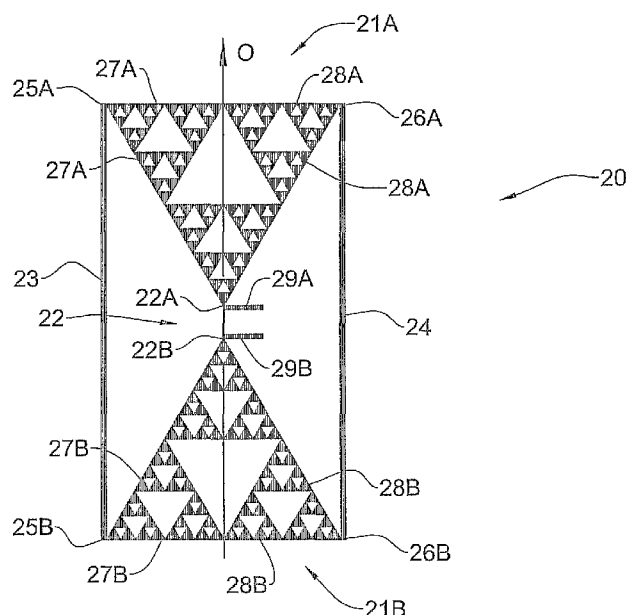
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(54) Title: FRACTAL DIPOLE ANTENNA



(57) Abstract: A dipole fractal antenna and a method of manufacturing thereof are described. The antenna includes a pair of oppositely directed radiating arms (21A, 21B) coupled to a feeding terminal (22) and extended therefrom along a central axis (O) in a common plane. At least a portion of each radiating arm has a fractal geometric shape. The antenna also includes at least one pair of electrical shunts (23, 24) configured for connecting at least two points selected within the fractal portion of one radiating arm correspondingly to two points selected within the fractal portion of another radiating arm. The dipole fractal antenna further may comprise a balun arranged at the feeding terminal and configured for coupling the pair of oppositely directed radiating arms to a coaxial cable to provide a balanced feed.

WO 2006/082577 A1