



US006268834B1

(12) **United States Patent**
Josypenko

(10) **Patent No.:** **US 6,268,834 B1**

(45) **Date of Patent:** **Jul. 31, 2001**

(54) **INDUCTIVELY SHORTED BICONE ANTENNA**

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(*) **Notice:** Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.

(21) **Appl. No.:** **09/575,541**

(22) **Filed:** **May 17, 2000**

(51) **Int. Cl.⁷** **H01Q 13/04**

(52) **U.S. Cl.** **343/773; 343/727; 343/905**

(58) **Field of Search** **343/773, 774, 343/725, 727, 792, 807, 808, 878, 905; H01Q 9/28, 13/04**

(56) **References Cited**

U.S. PATENT DOCUMENTS

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(57) **ABSTRACT**

A bicone antenna that facilitates the passage of cables for at least one other radiating antenna. The bicone antenna has a plurality of inductive shorts spaced approximately one-quarter wavelength (at the cut-in frequency) from the antenna axis. Each inductive short provides a pathway for a cable for another antenna. Consequently, an antenna cable from each of one or more other antennas can be led to a center point on the bicone antenna, directed radially along a cone to an inductive short, led through the inductive short and directed along the surface of the other cone to the center line. The outer conductor of each antenna cable attaches to an antenna surface.

17 Claims, 9 Drawing Sheets

