

Title (en)  
Improved antenna structure.

Title (de)  
Antenne.

Title (fr)  
Antenne.

Publication  
**EP 0487053 A1 19920527 (EN)**

Application  
**EP 91119764 A 19911119**

Priority  
US 61815290 A 19901123

Abstract (en)  
An improved radio frequency antenna may be manufactured and assembled in a cost-effective manner using a pair of conductive sections. A first conductive section has alternating wide and narrow portions, and an opposing second conductive section has alternating wide and narrow portions which are arranged opposite the narrow and wide portions, respectively, of the first conductive section. The first and second conductive sections are secured together with a gap formed therebetween such that the first and second conductive sections form an elongated unit having a first end and a second end. Each end of the unit may be terminated using a shorting rod soldered between the first and second conductive sections, and a coaxial cable may be electrically coupled to the first and second conductive sections, near the middle of the unit, for coupling a radio frequency signal to the antenna. Alternatively, the unit may be terminated at only one end, and the other end of the unit may be used for interfacing to the coaxial cable. Further, a radome may be used to enclose the unit. <IMAGE>

IPC 1-7  
**H01Q 1/38**

IPC 8 full level  
**H01Q 1/38** (2006.01); **H01Q 13/20** (2006.01); **H01Q 21/10** (2006.01)

CPC (source: EP)  
**H01Q 1/38** (2013.01); **H01Q 13/206** (2013.01); **H01Q 21/10** (2013.01); **H01Q 25/005** (2013.01)

Citation (search report)  
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• [Y] PATENT ABSTRACTS OF JAPAN vol. 3, no. 60 (26)(E-112), 23 May 1979; & JP - A - 5437663 (MITSUBISHI DENKI) 20.03.1979  
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• [A] PATENT ABSTRACTS OF JAPAN vol. 3, no. 66 (2)(E-115) 7 June 1979; & JP - A - 5443446 (MITSUBISHI DENKI) 04.06.1979

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