

Title (en)  
FLEXIBLE ANTENNA RADIATOR

Title (de)  
BIEGSAMER ANTENNENSTRAHLER

Title (fr)  
RADIATEUR D'ANTENNE FLEXIBLE

Publication  
**EP 1218966 B1 20030514 (DE)**

Application  
**EP 00962224 A 20000817**

Priority  
• DE 0002781 W 20000817  
• DE 19941501 A 19990831

Abstract (en)  
[origin: WO0117060A1] The invention relates to a flexible antenna radiator (1). The aim of the invention is to improve an antenna radiator in such a manner so as to have as short an electrical length as possible, thereby allowing a high transmitter and/or frequency acceptance range. To this end, the flexible antenna radiator (1) comprises a helical spring (5) that receives the antenna rod (10) by means of a holding element (15) that carries on the one hand the antenna rod (10) and that on the other hand is screwed with the helical spring (5). Said holding element (15) is provided with a tubular receiving element (20) for the antenna rod (10). The outer face of said tubular receiving element (20) is provided with a thread-like profile (25) that is screwed into the helical spring (5).

IPC 1-7  
**H01Q 1/08**; **H01Q 9/30**; **H01Q 9/32**

IPC 8 full level  
**H01Q 1/08** (2006.01); **H01Q 1/22** (2006.01); **H01Q 1/32** (2006.01); **H01Q 9/30** (2006.01); **H01Q 9/32** (2006.01); **H01Q 9/34** (2006.01)

CPC (source: EP KR)  
**H01Q 1/085** (2013.01 - EP); **H01Q 1/3275** (2013.01 - EP); **H01Q 9/30** (2013.01 - EP); **H01Q 9/32** (2013.01 - EP KR); **H01Q 9/34** (2013.01 - EP)

Designated contracting state (EPC)  
DE FR GB IT SE

DOCDB simple family (publication)  
**WO 0117060 A1 20010308**; DE 19941501 C1 20010628; DE 50002213 D1 20030618; EP 1218966 A1 20020703; EP 1218966 B1 20030514; JP 2003508949 A 20030304; JP 4469530 B2 20100526; KR 100752447 B1 20070824; KR 20020025995 A 20020404; TW 541756 B 20030711

DOCDB simple family (application)  
**DE 0002781 W 20000817**; DE 19941501 A 19990831; DE 50002213 T 20000817; EP 00962224 A 20000817; JP 2001520505 A 20000817; KR 20027002539 A 20020227; TW 89117131 A 20000822