

Title (en)
DETACHABLE WHIP ANTENNA, WITH CAPACITIVE LOAD, AND METHOD FOR MAKING A RADIATING SEGMENT OF SUCH AN ANTENNA

Title (de)
DEMONTIERBARE KAPAZITIV BELASTETE STABANTENNE, UND VERFAHREN ZUR HERSTELLUNG EINES STRAHLENDEN SEGMENTS EINER SOLCHEN ANTENNE

Title (fr)
ANTENNE DEMONTABLE, A CHARGE CAPACITIVE, DE TYPE FOUET ET PROCEDE DE FABRICATION D'UN SEGMENT RAYONNANT D'UNE TELLE ANTENNE

Publication
EP 1192684 A1 20020403 (FR)

Application
EP 00909446 A 20000307

Priority
• FR 0000565 W 20000307
• FR 9903092 A 19990312

Abstract (en)
[origin: US6404396B1] The invention concerns detachable whip antennae with capacitive load wherein the load does not need to contribute to the antenna mechanical strength. To achieve this, the entire load (3) is inserted in the conductor strand (2f-21-33-32-2n) of a radiating segment of the antenna, the mechanical strength being provided by a hollow plastic insulating tube (20) reinforced with glass fibres, which acts as support for the conductor strand and as housing for the load and said load consists of a metal enclosure (33) wherein penetrates the insulated part of an electric cable (32). The invention is particularly applicable to whip antennae designed for mobile stations.

IPC 1-7
H01Q 9/30; H01Q 9/32; H01Q 1/08; H01Q 5/00

IPC 8 full level
H01P 11/00 (2006.01); **H01Q 1/08** (2006.01); **H01Q 1/22** (2006.01); **H01Q 1/32** (2006.01); **H01Q 5/00** (2006.01); **H01Q 5/321** (2015.01); **H01Q 5/50** (2015.01); **H01Q 9/30** (2006.01); **H01Q 9/32** (2006.01)

CPC (source: EP US)
H01Q 1/085 (2013.01 - EP US); **H01Q 1/088** (2013.01 - EP US); **H01Q 5/321** (2015.01 - EP US); **H01Q 5/50** (2015.01 - EP US); **H01Q 9/30** (2013.01 - EP US); **H01Q 9/32** (2013.01 - EP US)

Citation (search report)
See references of WO 0055940A1

Cited by
US8692722B2

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)
US 6404396 B1 20020611; AT E272901 T1 20040815; AU 3172900 A 20001004; CA 2367141 A1 20000921; DE 60012743 D1 20040909; DE 60012743 T2 20050901; EP 1192684 A1 20020403; EP 1192684 B1 20040804; FR 2790872 A1 20000915; FR 2790872 B1 20030530; IL 145251 A0 20020630; JP 2002539703 A 20021119; WO 0055940 A1 20000921

DOCDB simple family (application)
US 93618001 A 20010910; AT 00909446 T 20000307; AU 3172900 A 20000307; CA 2367141 A 20000307; DE 60012743 T 20000307; EP 00909446 A 20000307; FR 0000565 W 20000307; FR 9903092 A 19990312; IL 14525100 A 20000307; JP 2000605284 A 20000307