

Title (en)
A WHIP ANTENNA FOR USE IN VEHICLES

Publication
EP 0380231 A3 19910327 (EN)

Application
EP 90300465 A 19900117

Priority
JP 621389 U 19890123

Abstract (en)
[origin: EP0380231A2] A whip antenna for vehicles including an antenna element (11) with a skirt-form coupling member (12, 22, 32) provided on the antenna element. The coupling member is, at a predetermined point on the antenna, prevented from moving toward the lower end of the antenna and has a screw thread (13, 23, 33) on its inner surface. The lower end of the antenna is inserted into an antenna attachment base (15) installed in a vehicle body, and the coupling member is screwed to this antenna attachment base.

IPC 1-7
H01Q 1/12

IPC 8 full level
H01Q 1/10 (2006.01); **H01Q 1/12** (2006.01); **H01Q 1/22** (2006.01)

CPC (source: EP)
H01Q 1/1214 (2013.01)

Citation (search report)

- [X] US 2886814 A 19590512 - WILLIAMS CHARLIE C
- [X] US 3138660 A 19640623 - CEJKA JOSEPH B
- [Y] GB 2046529 A 19801112 - WELLS D H
- [E] EP 0370715 A2 19900530 - HARADA IND CO LTD [JP]

Cited by
FR2671769A1; US6014106A

Designated contracting state (EPC)
DE ES FR GB IT SE

DOCDB simple family (publication)
EP 0380231 A2 19900801; EP 0380231 A3 19910327; EP 0380231 B1 19950315; DE 69017727 D1 19950420; DE 69017727 T2 19951116; ES 2072382 T3 19950716; JP H0298507 U 19900806

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