

Title (en)  
AN ELECTRICALLY DRIVEN TELESCOPIC ANTENNA FOR AUTOMOBILES

Publication  
**EP 0361878 A3 19900808 (EN)**

Application  
**EP 89309809 A 19890926**

Priority  
JP 12664488 U 19880928

Abstract (en)  
[origin: EP0361878A2] A motor driven automobile antenna including a conductive tube for shielding therein a telescopic antenna element (1) and another conductive tube for shielding therein a motor (6) which extends and retracts the antenna element wherein the two conductive tubes are connected to each other by a fastening bracket (10) which is made of conductive materials and shaped in figure eight having two round openings into which the conductive tubes are inserted and a part of the fastening bracket is electrically connected to the automobile body for grounding purpose.

IPC 1-7  
**H01Q 1/10**

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

CPC (source: EP)  
**H01Q 1/103** (2013.01)

Citation (search report)  
• [A] US 4225871 A 19800930 - RAMARI LUIGI  
• [A] US 2240488 A 19410506 - BENSON GEORGE O  
• [A] US 2632106 A 19530317 - EMIL CARLSON

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

DOCDB simple family (publication)  
**EP 0361878 A2 19900404; EP 0361878 A3 19900808; JP H0247808 U 19900403**

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