

Title (en)  
Antenna.

Title (de)  
Antenne.

Title (fr)  
Antenne.

Publication  
**EP 0573971 A1 19931215 (DE)**

Application  
**EP 93109228 A 19930608**

Priority  
DE 4219165 A 19920611

Abstract (en)  
In the case of an antenna having a plurality of dipole units which are arranged one above the other in a co-linear manner on a supporting tube, in each case consist of at least one dipole element, and are arranged inside a protection tube which consists of insulating material and has an internal diameter which is small in comparison with an operating wavelength, a conductive decoupling surface is arranged, at right angles to the protection tube axis, between at least two dipole units which are arranged one above the other, the outer edge of which decoupling surface extends radially at least as far as the dipole elements and at most as far as the inner wall of the protection tube, and which decoupling surface is conductively connected to the supporting tube or to a reflector of the dipole unit. <IMAGE>

Abstract (de)  
Bei einer Antenne mit mehreren an einem Tragrohr kollinear übereinander angeordneten Dipol-Einheiten jeweils bestehend aus mindestens einem Dipol-Element, die innerhalb eines Schutzrohres aus Isoliermaterial mit einem gegenüber einer Betriebswellenlänge kleinen Innendurchmesser angeordnet sind, ist zwischen mindestens zwei übereinander angeordneten Dipol-Einheiten senkrecht zur Schutzrohrachse eine leitende Entkopplungsfläche angeordnet, deren äußerer Rand radial mindestens bis zu den Dipolelementen und maximal bis zur Innenwand des Schutzrohres reicht und die mit dem Tragrohr oder einem Reflektor der Dipoleinheit leitend verbunden ist. <IMAGE>

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IPC 8 full level  
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**H01Q 1/521** (2013.01); **H01Q 11/16** (2013.01); **H01Q 21/10** (2013.01)

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• [Y] DE 1011012 C  
• [A] EP 0186455 A2 19860702 - MARCONI CO LTD [GB]  
• [A] DD 91684 A

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