

Title (en)
Diversity antenna.

Title (de)
Diversity-Antenne.

Title (fr)
Antenne-diversité.

Publication
EP 0546803 A1 19930616 (EN)

Application
EP 92311184 A 19921208

Priority
GB 9126240 A 19911211

Abstract (en)
A diversity antenna comprising a single antenna element in the form of a quarter wave monopole 1, together with ganged switch means S1, S2 and S3 for feeding the monopole alternately at one end or the other from a common RF feed point 3. Reference 3 can either be a signal source or receiver input circuitry. The spatial separation of the current peaks when fed from either end is almost a quarter wavelength and the antenna thus acts as a diversity antenna even though it has only a single element. <IMAGE>

IPC 1-7
H01Q 3/24

IPC 8 full level
H01P 1/15 (2006.01); **H01Q 3/00** (2006.01); **H01Q 3/24** (2006.01)

CPC (source: EP)
H01Q 3/247 (2013.01)

Citation (search report)
• [X] US 3818480 A 19740618 - WEST R
• [X] GB 2114374 A 19830817 - PLESSEY CO PLC
• [A] GB 2088139 A 19820603 - RCA CORP
• [A] GB 2132417 A 19840704 - TAIYO MUSEN CO LTD

Cited by
US6771223B1; US6917790B1; US6392610B1; US9172138B2; WO0235644A1; WO0131733A1; US6980782B1; US6954180B1; EP1243051A1

Designated contracting state (EPC)
AT BE DE ES FR GB GR IT NL PT SE

DOCDB simple family (publication)
EP 0546803 A1 19930616; AU 3007692 A 19930617; CA 2085096 A1 19930612; CN 1077314 A 19931013; GB 2262414 A 19930616; GB 9126240 D0 19920212; GB 9225608 D0 19930127; JP H05308216 A 19931119

DOCDB simple family (application)
EP 92311184 A 19921208; AU 3007692 A 19921210; CA 2085096 A 19921210; CN 92115164 A 19921210; GB 9126240 A 19911211; GB 9225608 A 19921208; JP 35224292 A 19921210