Title (en)
　　CONFIGURABLE AND ORIENTABLE ANTENNA AND CORRESPONDING BASE STATION

Title (de)
　　KONFIGURIERBARE UND ORIENTIERBARE ANTENNE UND ENTSPRECHENDE BASISSTATION

Title (fr)
　　ANTENNE CONFIGURABLE ET ORIENTABLE, STATION DE BASE CORRESPONDANTE

Publication
　　EP 1702388 A1 20060920 (FR)

Application
　　EP 04805862 A 20041126

Priority
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- FR 0350925 A 20031127

Abstract (en)
　　[origin: WO2005055365A1] The invention relates to an antenna, permitting the configuration of at least one radioelectric wave beam (4, 5, 61, 62, 91, 92) of at least one fixed wavelength, of the type comprising at least one transmitting element (2), preferably of the passive type, arranged in a set of essentially parallel, wave-reflecting wires or bars (1), made from a photonic band gap (BIP) material and forming a given structure. Said given structure comprises faults for shaping said at least one beam in a direction as a function of the position and/or the configuration of said faults. According to the invention, said wires or bars and the faults are arranged on a set of N curves which are closed and concentric on a plane, N being greater than or equal to 1 and the transmitting element is arranged within the innermost curve. The curves are preferably circular and the wires/bars can be controlled to pass from a wave-conducting/reflecting state to a transparent state.

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　　See references of WO 2005055365A1

Cited by
　　CN107275800A

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