

Title (en)

Antenna for a radio communication terminal

Title (de)

Antenne für ein funkbetriebenes Kommunikationsendgerät

Title (fr)

Antenne pour un terminal de radiocommunication

Publication

EP 1760830 A1 20070307 (DE)

Application

EP 06018156 A 20060831

Priority

DE 102005041890 A 20050903

Abstract (en)

The antenna has a planar emitter component (10) which is formed with folded, wavy and meandering sections. The folded sections of the emitter component are doubly folded in three dimensions in two different directions with respect to a predetermined angle. Folding lines (14) are defined on the emitter component for interrupting attenuation zones of the emitter component. The attenuation zones are formed by breakpoints (21) in the emitter component. The breakpoints are provided in a small area so as not to affect the electrical behavior of the emitter component. An independent claim is included for the emitter component.

IPC 8 full level

H01Q 9/04 (2006.01); **H01Q 1/24** (2006.01)

CPC (source: EP US)

H01Q 1/243 (2013.01 - EP US); **H01Q 9/0471** (2013.01 - EP US)

Citation (search report)

- [X] US 2002089455 A1 20020711 - MIKKONEN SAMI [FI], et al
- [X] EP 1026774 A2 20000809 - SIEMENS AG [DE]
- [X] US 2005001772 A1 20050106 - SUGIYAMA TAKAHIRO [JP], et al
- [A] DE 10331281 A1 20040205 - IMST GMBH [DE]
- [A] WO 0235810 A1 20020502 - SIEMENS AG [DE], et al

Cited by

US10186912B2; WO2015038544A3

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK YU

DOCDB simple family (publication)

EP 1760830 A1 20070307; **EP 1760830 B1 20081112**; AT E414339 T1 20081115; CA 2558555 A1 20070303; CN 1976121 A 20070606; DE 102005041890 A1 20070322; DE 502006002047 D1 20081224; US 2007052594 A1 20070308

DOCDB simple family (application)

EP 06018156 A 20060831; AT 06018156 T 20060831; CA 2558555 A 20060901; CN 200610163936 A 20060901; DE 102005041890 A 20050903; DE 502006002047 T 20060831; US 51428006 A 20060830