

Title (en)  
TWO-PART ANTENNA ELEMENT

Title (de)  
ZWEITEILIGES ANTENNENELEMENT

Title (fr)  
ÉLÉMENT D'ANTENNE EN DEUX PARTIES

Publication  
**EP 3236531 A1 20171025 (EN)**

Application  
**EP 16166174 A 20160420**

Priority  
EP 16166174 A 20160420

Abstract (en)  
The invention relates to a radiating element for a base station antenna, comprising: a socket and a radiating part, wherein the socket has means for providing a mechanical support for the radiating part and microstrip lines of a feeding system for feeding the radiating part, and the radiating part is configured to be received by the socket and includes at least one pair of non-conductive slots in a conductive element, the slots being aligned to the microstrip lines of the feeding system when the radiating part is received by the socket, and wherein an outer circumference of the socket is less than a maximum outer circumference of the radiating part.

IPC 8 full level  
**H01Q 1/24** (2006.01); **H01Q 1/12** (2006.01); **H01Q 21/24** (2006.01)

CPC (source: EP)  
**H01Q 1/1207** (2013.01); **H01Q 1/246** (2013.01); **H01Q 21/24** (2013.01)

Citation (applicant)  
WO 2013123916 A1 20130829 - HUAWEI TECH CO LTD [CN]

Citation (search report)  
• [X] US 2014218253 A1 20140807 - PUZELLA ANGELO M [US], et al  
• [A] US 2004155831 A1 20040812 - GOEBEL UHLAND [CH], et al  
• [A] US 2004201537 A1 20041014 - STOLLE MANFRED [DE], et al  
• [A] WO 2005060049 A1 20050630 - KATHREIN WERKE KG [DE], et al  
• [A] WO 2016011977 A1 20160128 - HUAWEI TECH CO LTD [CN]

Cited by  
US12003033B2; WO2020254397A1; WO2021128170A1

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
**EP 3236531 A1 20171025; EP 3236531 B1 20190130**; CN 109075435 A 20181221; CN 109075435 B 20200320; WO 2017181896 A1 20171026

DOCDB simple family (application)  
**EP 16166174 A 20160420**; CN 2017080315 W 20170412; CN 201780025165 A 20170412