

Title (en)
RADOME ATTACHMENT BAND CLAMP

Title (de)
BANDKLEMME ZUR BEFESTIGUNG AN EINEM RADOM

Title (fr)
BRIDE DE FIXATION DE RADOME

Publication
EP 2891211 B1 20220216 (EN)

Application
EP 13833558 A 20130508

Priority
• US 201213600544 A 20120831
• US 2013040130 W 20130508

Abstract (en)
[origin: WO2014035493A1] A band clamp for coupling a radome to a distal end of a reflector dish for improving the front to back ratio of a reflector antenna, is provided with an inward projecting proximal lip and an inward projecting distal lip. The distal lip is dimensioned with an inner diameter equal to or less than a reflector aperture of the reflector dish. The proximal lip may be provided with an inward bias dimensioned to engage the reflector dish in an interference fit and/or turnback region dimensioned to engage an outer surface of a signal area of the reflector dish in an interference fit. A variety of different configurations of protruding portions extending from the band clamp may be applied to further improve electrical performance.

IPC 8 full level
H01Q 1/42 (2006.01); **H01Q 1/12** (2006.01); **H01Q 15/14** (2006.01); **H01Q 19/02** (2006.01); **H01Q 19/12** (2006.01)

CPC (source: EP)
H01Q 1/42 (2013.01); **H01Q 1/421** (2013.01); **H01Q 19/022** (2013.01); **H01Q 19/12** (2013.01)

Citation (examination)
EP 2267839 A2 20101229 - ANDREW LLC [US]

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

DOCDB simple family (publication)
WO 2014035493 A1 20140306; BR 112015003156 A2 20170704; BR 112015003156 A8 20171226; BR 112015003156 B1 20220419; CN 104685711 A 20150603; CN 104685711 B 20170531; EP 2891211 A1 20150708; EP 2891211 A4 20160420; EP 2891211 B1 20220216

DOCDB simple family (application)
US 2013040130 W 20130508; BR 112015003156 A 20130508; CN 201380044510 A 20130508; EP 13833558 A 20130508