

Title (en)
DISTRIBUTED ANTENNA SYSTEM FOR MIMO SIGNALS

Title (de)
VERTEILTES ANTENNENSYSTEM FÜR MIMO-SIGNALE

Title (fr)
SYSTÈME D'ANTENNES DISTRIBUÉES POUR SIGNAUX MIMO

Publication
EP 3205030 A1 20170816 (EN)

Application
EP 15784193 A 20151001

Priority
• US 201414510883 A 20141009
• US 2015053484 W 20151001

Abstract (en)
[origin: WO2016057304A1] A distributed antenna system includes a multiple-input and multiple-output (MIMO) base station 252 configured to output at least a first signal Ch1 and a second signal Ch2. At least one master unit 260 communicates with the MIMO base station 252. At least one remote unit 262, 264 communicates with the master unit 260. At least one antenna 270 is coupled with the remote unit 262, 264 for receiving signals from the remote unit. A hybrid coupler 274 is coupled between the remote unit 262, 264 and antenna 270 and is configured to receive the first signal Ch1 and the second signal Ch2 from the remote unit 262, 264 on respective first and second ports and to provide an output signal on at least one output port. The output signal includes at least a portion of the first signal Ch1 and at least a portion of the second signal Ch2. The antenna is coupled with the output port.

IPC 8 full level
H04B 7/02 (2017.01); **H01Q 1/24** (2006.01); **H01Q 13/20** (2006.01); **H01Q 21/28** (2006.01); **H04B 7/04** (2017.01); **H04W 88/08** (2009.01)

CPC (source: CN EP KR)
H01Q 1/246 (2013.01 - CN EP KR); **H01Q 13/20** (2013.01 - CN EP KR); **H01Q 21/28** (2013.01 - CN EP KR); **H04B 7/022** (2013.01 - CN EP KR); **H04B 7/0413** (2013.01 - CN EP KR)

Citation (search report)
See references of WO 2016057304A1

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)
WO 2016057304 A1 20160414; CN 107113032 A 20170829; EP 3205030 A1 20170816; KR 101967925 B1 20190410; KR 20170048425 A 20170508

DOCDB simple family (application)
US 2015053484 W 20151001; CN 201580053692 A 20151001; EP 15784193 A 20151001; KR 20177007854 A 20151001