

Title (en)  
PHYSICAL LAYER FRAME FORMAT DESIGN FOR WIDEBAND WIRELESS COMMUNICATIONS SYSTEMS

Title (de)  
RAHMENFORMATENTWURF FÜR PHYSIKALISCHE SCHICHT FÜR DRAHTLOSE BREITBANDKOMMUNIKATIONSSYSTEME

Title (fr)  
CONCEPTION D UN FORMAT DE TRAME DE COUCHE PHYSIQUE DESTINÉ À DES SYSTÈMES DE COMMUNICATIONS SANS FIL À LARGE BANDE

Publication  
**EP 2301183 A1 20110330 (EN)**

Application  
**EP 09789891 A 20090623**

Priority  
• US 2009048245 W 20090623  
• US 7895208 P 20080708

Abstract (en)  
[origin: WO2010005775A1] Systems and methods are provided for processing a payload portion of a received signal in a single carrier mode or a multiple carrier mode based on a portion of the received signal. A single carrier signaling portion is received at a first rate, and whether the payload portion of the signal is a single carrier signal or a multiple carrier signal is detected from the received single carrier signaling portion. The payload portion of the received signal is received at the first rate and demodulated in a single carrier mode if the detecting determines that the payload portion of the received signal is a single carrier signal, and the payload portion of the received signal is demodulated in a multiple carrier mode if the detecting determines that the payload portion of the received signal is a multiple carrier signal.

IPC 8 full level  
**H04L 5/02** (2006.01); **H04L 25/02** (2006.01); **H04L 27/26** (2006.01); **H04L 27/36** (2006.01); **H04L 27/38** (2006.01)

CPC (source: EP)  
**H04L 5/02** (2013.01); **H04L 25/02** (2013.01); **H04L 27/2601** (2013.01); **H04L 27/36** (2013.01); **H04L 27/38** (2013.01)

Citation (search report)  
See references of WO 2010005775A1

Citation (examination)  
"Encapsulation (networking)", 13 May 2008 (2008-05-13), XP055037847, Retrieved from the Internet <URL:http://en.wikipedia.org/w/index.php?title=Encapsulation\_(networking)&oldid=212048728> [retrieved on 20120911]

Designated contracting state (EPC)  
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 SE SI SK TR

Designated extension state (EPC)  
AL BA RS

DOCDB simple family (publication)  
**WO 2010005775 A1 20100114**; CN 102090016 A 20110608; CN 102090016 B 20160525; EP 2301183 A1 20110330; JP 2011527854 A 20111104; JP 5315546 B2 20131016

DOCDB simple family (application)  
**US 2009048245 W 20090623**; CN 200980126648 A 20090623; EP 09789891 A 20090623; JP 2011517458 A 20090623