

Title (en)
DIRECT CONVERSION RECEIVER HAVING A SUBHARMONIC MIXER

Title (de)
DIREKTUMSETZUNGSEMPFÄNGER MIT EINEM SUBHARMONISCHEN MISCHER

Title (fr)
RECEPTEUR DE CONVERSION DIRECTE A MELANGEUR SOUS-HARMONIQUE

Publication
EP 1938462 A2 20080702 (EN)

Application
EP 06804156 A 20060926

Priority

- US 2006037420 W 20060926
- US 23590705 A 20050927
- US 36940306 A 20060307

Abstract (en)
[origin: WO2007038482A2] A differential radio frequency (RF) receiver includes a fully differential direct conversion receive chain, a subharmonic mixer in the receive chain, the subharmonic mixer configured to receive a differential radio frequency (RF) input signal and a local oscillator (LO) signal that is phase-shifted by a nominal 45 degrees, and a synthesizer having a voltage controlled oscillator and having at least one frequency divider to generate desired receive LO signals.

IPC 8 full level
H04M 1/00 (2006.01); **H04B 1/30** (2006.01); **H04B 1/44** (2006.01)

CPC (source: EP)
H04B 1/30 (2013.01)

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 RS

DOCDB simple family (publication)
WO 2007038482 A2 20070405; WO 2007038482 A3 20071213; EP 1938462 A2 20080702; EP 1938462 A4 20130925

DOCDB simple family (application)
US 2006037420 W 20060926; EP 06804156 A 20060926