

Title (en)

Method and apparatus for IQ imbalance compensation

Title (de)

Verfahren und Vorrichtung zur Kompensation von IQ-Fehlern

Title (fr)

Procédé et Dispositif de compensation de déséquilibre IQ

Publication

EP 1989851 A2 20081112 (EN)

Application

EP 07705818 A 20070208

Priority

- IB 2007050412 W 20070208
- CN 200610008891 A 20060222

Abstract (en)

[origin: WO2007096800A2] A direct down conversion receiver (19) has an imbalance compensation parameter determining stage (20) and a phase and amplitude imbalance compensation stage (21). The determining stage (20) is connected to receive I and Q signals I'(t), Q'(t) output from I and Q paths (5, 6) of the receiver (19). The determining stage (20) determines imbalance compensation parameters g ₁

IPC 8 full level

H04L 27/38 (2006.01)

CPC (source: EP KR)

H04B 1/28 (2013.01 - EP); **H04L 27/22** (2013.01 - KR); **H04L 27/3863** (2013.01 - EP); **H04L 2027/0016** (2013.01 - EP);
H04L 2027/0095 (2013.01 - EP)

Citation (search report)

See references of WO 2007096800A2

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

DOCDB simple family (publication)

WO 2007096800 A2 20070830; **WO 2007096800 A3 20071101**; CN 101390360 A 20090318; EP 1989851 A2 20081112;
JP 2009527968 A 20090730; KR 100977938 B1 20100824; KR 20080098535 A 20081110; TW 200836531 A 20080901

DOCDB simple family (application)

IB 2007050412 W 20070208; CN 200780006274 A 20070208; EP 07705818 A 20070208; JP 2008555910 A 20070208;
KR 20087022851 A 20070208; TW 96106237 A 20070216