

Title (en)
3G RADIO

Title (de)
3G-FUNKGERÄT

Title (fr)
RADIO DE TROISIEME GENERATION

Publication
EP 1476974 A4 20050504 (EN)

Application
EP 03716148 A 20030221

Priority
• GB 0204108 A 20020221
• US 0305537 W 20030221
• US 33162102 A 20021230

Abstract (en)
[origin: WO03073661A2] In a UMTS homodyne (direct conversion) receiver the local oscillator may break through as an "on channel" signal. In order to remove this the receiver includes controllable DC offset generators and variable gain amplifiers. These are in series with a high pass filter. Adjustments in the gain or offset can give rise to transients within the filter which effectively blind the receiver until such time as the transients have decayed within the filter. This blind time can be reduced by increasing the bandwidth of the filter during such a transient.

IPC 1-7
H04H 1/00

IPC 8 full level
H03D 3/00 (2006.01); **H04B 1/30** (2006.01); **H04L 25/06** (2006.01); **H04L 27/00** (2006.01)

CPC (source: EP)
H04B 1/0003 (2013.01); **H04B 1/30** (2013.01); **H04L 25/062** (2013.01); **H04L 25/063** (2013.01); **H04L 27/0008** (2013.01)

Citation (search report)
• [X] EP 1102413 A2 20010523 - HITACHI LTD [JP]
• [X] STROET P M: "A zero-IF single-chip transceiver for up to 22Mb/s QPSK 802.11b wireless LAN", 5 February 2001, SOLID-STATE CIRCUITS CONFERENCE, 2001. DIGEST OF TECHNICAL PAPERS. ISSCC. 2001 IEEE INTERNATIONAL FEB. 5-7, 2001, PISCATAWAY, NJ, USA,IEEE, PAGE(S) 204-447, ISBN: 0-7803-6608-5, XP010536238
• See references of WO 03073661A2

Designated contracting state (EPC)
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