

Title (en)

Circuit for frequency conditioning in a radio transceiver working in the UHF range, especially a wireless telephone

Title (de)

Schaltung zur Frequenzaufbereitung eines im UHF-Bereich arbeitenden Funk-Sende-Empfängers, insbesondere eines schnurlosen Telefons

Title (fr)

Circuit pour traiter la fréquence d'un émetteur-récepteur radio fonctionnant sur la bande UHF, notamment un téléphone sans fil

Publication

**EP 0976201 A1 20000202 (DE)**

Application

**EP 99914417 A 19990211**

Priority

- DE 9900397 W 19990211
- DE 19805963 A 19980213

Abstract (en)

[origin: DE19805963A1] The designed circuit for time division duplex with frequency hopping technique has a total of only two frequency synthesizers (49, 56) for the transmitter and the receiver paths (48, 62) and only one step-up mixer (54) in the transmitter path. The UHF synthesizer frequency is subjected to frequency division before insertion as superimposed frequency of the allocated mixer in the transmitter and receiver paths enabling its utilization for the UHF frequency synthesizer at different frequencies for the transmitter or receiver slot due to the short settling time. One special field of application of the inventive circuit is wireless telephony.

IPC 1-7

**H04B 1/38**

IPC 8 full level

**H04B 1/40** (2006.01); **H04B 1/408** (2015.01); **H04B 1/44** (2006.01); **H04J 9/00** (2006.01)

CPC (source: EP US)

**H04B 1/408** (2013.01 - EP US)

Citation (search report)

See references of WO 9941841A1

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

**DE 19805963 A1 19990902**; **DE 19805963 C2 20010222**; CN 1130841 C 20031210; CN 1263651 A 20000816; EP 0976201 A1 20000202; JP 2001523431 A 20011120; JP 3754709 B2 20060315; US 6738602 B1 20040518; WO 9941841 A1 19990819

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**DE 19805963 A 19980213**; CN 99800533 A 19990211; DE 9900397 W 19990211; EP 99914417 A 19990211; JP 54091499 A 19990211; US 41901099 A 19991013