

Title (en)

SIGNAL COMBINING METHOD IN A BASE STATION OF A CDMA SYSTEM

Title (de)

VERFAHREN ZUR SIGNALKOMBINATION IN EINER BASISSTATION EINES SYSTEMS MIT KODEMULTIPLEX-VIELFACHZUGRIFF

Title (fr)

PROCEDE DE COMBINAISON DES SIGNAUX DANS UNE STATION DE BASE D'UN SYSTEME AMCR

Publication

EP 1068679 A1 20010117 (EN)

Application

EP 99914310 A 19990330

Priority

- US 9907105 W 19990330
- US 5352698 A 19980331

Abstract (en)

[origin: WO9950973A1] Prior to transmission from the base station, a signal combining method for a CDMA system combines individual frequency channels (f1, f2, f3, f4) into sets of frequency channels such that no two frequency channels in any one set are adjacent in frequency. A dual diversity reception and transmit signal combining system includes two or more signal combiners (34, 36) each coupled to a respective set of frequency channels in which no two frequency channels are adjacent. Two or more duplexors (62, 64) are each coupled to a respective signal combiner. An antenna (38) is connected to each duplexor (62, 64), and two or more splitters (56, 58) are each coupled to a respective duplexor. The respective signal combiners and duplexors can be integrated into single devices.

IPC 1-7

H04B 7/06

IPC 8 full level

H04B 1/69 (2011.01); **H04B 7/02** (2006.01); **H04B 7/06** (2006.01); **H04B 7/26** (2006.01); **H04W 16/02** (2009.01); **H04W 16/28** (2009.01)

CPC (source: EP KR)

H04B 1/69 (2013.01 - EP); **H04B 7/06** (2013.01 - EP KR); **H04W 88/08** (2013.01 - KR)

Citation (search report)

See references of WO 9950973A1

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

WO 9950973 A1 19991007; AU 3218899 A 19991018; CN 1295739 A 20010516; EP 1068679 A1 20010117; JP 2002510896 A 20020409; KR 20010042281 A 20010525

DOCDB simple family (application)

US 9907105 W 19990330; AU 3218899 A 19990330; CN 99804654 A 19990330; EP 99914310 A 19990330; JP 2000541784 A 19990330; KR 20007010823 A 20000929