

Title (en)

TRANSMIT DIVERSITY TRANSMITTER AND RECEIVER FOR RADIO COMMUNICATIONS SYSTEMS

Title (de)

SENDEDIVERSITÄTSSENDER UND -EMPFÄNGER FÜR RADIOKOMMUNIKATIONSSYSTEME

Title (fr)

EMETTEUR ET RECEPTEUR A DIVERSITE DE TRANSMISSION POUR SYSTEMES DE COMMUNICATION RADIO

Publication

**EP 1198904 A1 20020424 (EN)**

Application

**EP 00951359 A 20000705**

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Abstract (en)

[origin: EP1069707A1] A space time transmit diversity scheme using two antenna (9, 10) in which a data block of symbols (D22) is transmitted simultaneously with a complex conjugate of another block (D21\*). With suitable receiver (15) processing, the symbols can be recovered with only a small complexity increase. The invention has a particular application to CDMA systems operating in TDD mode. <IMAGE>

IPC 1-7

**H04B 7/06**; H04L 1/06

IPC 8 full level

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