

Title (en)
NON-ZERO COMPLEX WEIGHTED SPACE-TIME CODE FOR MULTIPLE ANTENNA TRANSMISSION

Title (de)
RAUM-ZEIT-KODE MIT VON NULL VERSCHIEDENER KOMPLEXER GEWICHTUNG ZUR MEHRFACH-ANTENNENÜBERTRAGUNG

Title (fr)
CODE SPATIO-TEMPOREL DE PONDERATION COMPLEXE NON NULLE DESTINE A UNE TRANSMISSION PAR ANTENNE A USAGE MULTIPLE

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Abstract (en)
[origin: WO02080375A2] The present invention presents a method and apparatus for phase hopping and space-time coding signals for transmission on multiple antennas (160,162,164,166). The method and apparatus provides expansion of a $N \times N'$ space time block code to a $M \times M'$ space time block code, where $M > N$, by using phase hopping on the symbols within the $N \times N'$ space time block code to allow transmission of the space time block code on a number of diversity antennas greater than N' . A result of M antenna diversity may be achieved for M transmit antennas.

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