

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

Publication

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Application

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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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