

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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Application
EP 02720328 A 20020326

Priority

- IB 0200939 W 20020326
- US 81957301 A 20010328
- US 7884002 A 20020220

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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H04L 27/04

IPC 8 full level
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CPC (source: EP)
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Citation (search report)

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WO 02080375 A2 20021010; WO 02080375 A3 20050113; AU 2002251395 A1 20021015; BR 0208208 A 20061212; CA 2440033 A1 20021010; CA 2440033 C 20070109; CN 100536450 C 20090902; CN 1611047 A 20050427; EP 1512256 A2 20050309; EP 1512256 A4 20091202; JP 2005503045 A 20050127; MX PA03008030 A 20050429; RU 2003131399 A 20050527; RU 2276463 C2 20060510

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