Title (en)

ENHANCED WIRELESS AD HOC COMMUNICATION TECHNIQUES

Title (de)

ERWEITERTE DRAHTLOSE AD-HOC-KOMMUNIKATIONSTECHNIKEN

Title (fr)

TECHNIQUES DE COMMUNICATION AD HOC SANS FIL AMÉLIORÉES

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Application

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- US 9531008 P 20080909
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- US 9461108 P 20080905
- US 11823208 P 20081126
- US 12116908 P 20081209
- US 9439408 P 20080904
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- US 11138408 P 20081105
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Abstract (en)

[origin: WO2010028307A1] A waveform and related devices and methods are disclosed for dynamic use of an air interface in a mobile ad hoc network The waveform includes a dual preamble sequence enclosing self-discovery data that characterizes modulation for a subsequent data signal The preamble is designed so that the circular correlation of the preamble sequence with itself is an impulse, and the first preamble sequence is a complex conjugate of the second preamble sequence The preamble sequence can be used to bound a data packet on both sides so that detection of the impulse yields a window in which a data packet can be located, while the self discovery data provides information to extract the data signal from the wireless waveform In one aspect, the preamble may be implemented using a CHIRP sequence that is a perfect square for more efficient implementation in a wireless modem.

IPC 8 full level

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CPC (source: EP KR US)

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Cited by

CN110300452A; CN111769928A; US11929907B2; US11382070B2; US11722997B2; US8774147B2; US9338725B2; US10075892B2; US10834725B2; US11627579B2

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