

Title (en)  
UNIPOLAR BINARY SEQUENCES HAVING IMPROVED NON-PERIODIC CORRELATION BEHAVIOUR FOR UNSYNCHRONISED TSMA SYSTEMS

Title (de)  
UNIPOLARE BINÄRFOLGEN MIT VERBESSETEM NICHTPERIODISCHEN KORRELATIONSVERHALTEN FÜR UNSYNCHRONISIERTE TSMA-SYSTEME

Title (fr)  
SUITES BINAIRES UNIPOLAIRES À COMPORTEMENT DE CORRÉLATION NON PÉRIODIQUE AMÉLIORÉ POUR SYSTÈMES TSMA NON SYNCHRONISÉS

Publication  
**EP 4049374 A2 20220831 (DE)**

Application  
**EP 20796760 A 20201021**

Priority  
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• EP 2020079662 W 20201021

Abstract (en)  
[origin: WO2021078816A2] Embodiments of the invention relate to a method for generating a hopping pattern for transmitting a plurality of sub-data packets in a communications system. The method comprises a step of deriving a hopping pattern from a binary sequence, wherein an autocorrelation function of the binary sequence has autocorrelation secondary maxima of a specified maximum value. The method also comprises a step of determining a maximum sub-data packet length for the plurality of sub-data packets on the basis of a total transmission duration of the plurality of sub-data packets as specified by the hopping pattern and on the basis of a minimum value of a difference sequence of a sorted difference number series derived from the binary sequence.

IPC 8 full level  
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CPC (source: EP US)  
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**H04B 2001/6908** (2013.01 - EP US)

Citation (search report)  
See references of WO 2021078816A2

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