

Title (en)
PN phase recovery in a DMB-T system

Title (de)
PN-Phasenwiederherstellung in einem DMB-T-System

Title (fr)
Récupération de phase PN dans un système DMB-T

Publication
EP 2225864 A2 20100908 (EN)

Application
EP 08853927 A 20081126

Priority
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• CN 200710196221 A 20071130

Abstract (en)
[origin: WO2009069083A2] A PN Phase Recovery (PPR) method is used to acquire PN sequence phase synchronization in a system such as DMB-T. The time offset of the positions of the basic PN sequence in successive signal frames is estimated robustly. An accurate decision of the signal frame index is made based on multiple time offsets measured in the successive signal frames through a voting mechanism with modest calculation complexity. With this method, a DMB-T receiver can be made more robust and can be rapidly synchronized with the transmitter in PN sequence phase, even in an environment with very low signal to noise ratio or in the presence of large sample frequency errors.

IPC 8 full level
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CPC (source: EP US)
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Citation (search report)
See references of WO 2009069083A2

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IB 2008054961 W 20081126; CN 200710196221 A 20071130; CN 200880117823 A 20081126; EP 08853927 A 20081126