

Title (en)

SYNCHRONIZATION DATA DETECTION UNIT AND METHOD

Title (de)

DETEKTIONSEINHEIT UND DETEKTIONSVERFAHREN FÜR SYNCHRONISATIONS DATEN

Title (fr)

UNIT ET PROC D DE D TECTION DE DONN ES DE SYNCHRONISATION

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Application

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Abstract (en)

[origin: WO03084119A1] A synchronization data detecting unit is provided in a communication system for detecting predetermined synchronization data. The synchronization data are sent in a transmission frame in a communication signal of the communication system. The synchronization data include a sequence of identical binary symbols which are transmitted after scrambling. The synchronization detection unit comprises a descrambler (406) for descrambling the received communication and for producing an output data sequence having multi-level signal values. The multi-level signal values of the descrambler output are smoothed in a filter unit (407). The smoothed signal is compared with a predetermined threshold value. If the smoothed signal exceeds the predefined threshold value, a detection of said synchronized data is indicated.

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