

Title (en)

TRANSMITTING AND RECEIVING METHOD AND STATION FOR DATA TRANSMISSION WITHOUT INTERFERENCE USING CHIRPED FREQUENCY MODULATED SIGNAL

Title (de)

VERFAHREN ZUR STÖRUNGSFREIEN ÜBERTRAGUNG VON DATEN MITTELS CHIRPMODULIERTEN SIGNALEN SOWIE SENDE- UND EMPFANGSSTATION

Title (fr)

PROCEDE ET STATION EMETTRICE ET RECEPTRICE POUR TRANSMETTRE DES DONNEES SANS INTERFERENCE AU MOYEN DE SIGNAUX A MODULATION DE FREQUENCE PULSEE

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Application

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Abstract (en)

[origin: WO9917461A2] The invention concerns a method and a device for avoiding interference in a transmission system operating with chirped frequency modulation. The invention is characterised in that a signal p is expanded in a transmitting station (TX), then compressed again, after being transmitted in a receiving station (RX1; RX2; RX3). In the latter, the expanded impulse pe is routed to a filter (SAW3, SAW4) whereby are formed partial signals (s1, ..., sn) for each of the n frequency bands (fb1, ..., fbn). At least the partial signals pertaining to a transmission channel are controlled relative to operating conditions, then partially or entirely added before being gathered to form an entire compressed signal pk.

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