

Title (en)
MULTI-CHANNEL ACQUISITION DEVICE FOR RADIO TRANSMITTERS

Title (de)
MEHRKANALERFASSUNGSVORRICHTUNG FÜR FUNKSENDER

Title (fr)
DISPOSITIF D'ACQUISITION MULTI-VOIES POUR TRANSMETTEURS RADIO

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Application
EP 07823390 A 20070802

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• FR 2007001337 W 20070802
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Abstract (en)
[origin: WO2008023103A1] The present invention relates to a fixed receiving system (A) for a radio relay channel system for transmitting, on a fixed network, information transmitted on a unique wavelength ? by a plurality of transmitters generally associated with measurement sensors, the transmitters being dispersed over a geographic area, to the receiving system (A) for the collection of all of the information transmitted in said geographic area. The system comprises at least two antenna (1) - receiver (2) pairs (I, II), each receiver (2) of said pair (I, II) only being associated with the single antenna (1) of the same pair (I, II), the output of each receiver (2) being connected to a single information acquisition controller (4), the antenna (1) of one pair (I, II) being placed at a distance of at least $\frac{1}{4}$ of the antenna (1) of the other pair (I, II), in order to protect against the effects of null spots resulting from the mutual cancellation of waves originating from the same transmitter but having followed different propagation paths, and having undergone different and even opposite transformations in terms of amplitude and phase.

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Citation (search report)
See references of WO 2008023103A1

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