Title (en)

DEVICE AND METHOD FOR ANALYZING A MEASUREMENT SIGNAL TRANSMITTED VIA A MULTICHANNEL SYSTEM

Title (de)

VORRICHTUNG UND VERFAHREN ZUR ANALYSE EINES ÜBER EIN MEHRKANALSYSTEM ÜBERTRAGENEN MESSSIGNALS

Title (fr)

DISPOSITIF ET PROCÉDÉ D'ANALYSE D'UN SIGNAL DE MESURE TRANSMIS PAR UN SYSTÈME MULTICANAL

Publication

EP 2060036 A1 20090520 (DE)

Application

EP 07785968 A 20070710

Priority

• EP 2007006102 W 20070710
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Abstract (en)

[origin: WO2008028532A1] A device, especially a multichannel oscilloscope (2), for analyzing at least one measurement signal (22), transmitted via a multichannel system (4), and having a plurality of measurement channels (24, 26, 28, 30), comprises respective sampling devices (32, 34, 36, 38), respective baseband mixing devices (40, 42, 44, 46), respective filter devices (48, 50, 52, 54) and an analytical device (58). The measurement signal (22) is supplied to the measurement channels (24, 26, 28, 30) and to the respective sampling devices (32, 34, 36, 38) for simultaneous sampling. The sampled measurement signal (22b) is supplied to the baseband mixing devices (40, 42, 44, 46) mounted downstream of the sampling devices (32, 34, 36, 38) for downmixing the measurement signal (22) to the baseband, to the filter devices (48, 50, 52, 54) mounted downstream of the baseband mixing devices (40, 42, 44, 46) for decimating the sampled values of the measurement signal (22) in the baseband and to the analytical device (58) connected to the filter devices (48, 50, 52, 54) for analysis of the measurement signal (22).

IPC 8 full level

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