

Title (en)
METHOD AND DEVICE FOR IDENTIFYING OBJECTS AND TRIGGERING INTERACTIONS BY MEANS OF CLOSE-RANGE COUPLING OF ACOUSTICALLY MODULATED DATA SIGNALS

Title (de)
VERFAHREN UND EINRICHTUNG ZUM IDENTIFIZIEREN VON OBJEKTEN UND AUSLÖSEN VON INTERAKTIONEN MITTELS NAHBEREICHSKOPPLUNG AKUSTISCH MODULIRTER DATENSIGNALE

Title (fr)
PROCÉDÉ ET DISPOSITIF POUR L'IDENTIFICATION D'OBJETS ET LE DÉCLENCHEMENT D'INTERACTIONS AU MOYEN DE COUPLAGE, EN ZONE PROCHE, DE SIGNAUX DE DONNÉES MODULÉS ACOUSTIQUEMENT

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Application
EP 11720367 A 20110412

Priority
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Abstract (en)
[origin: WO2011127618A1] The method for identifying objects and triggering interactions functions by means of an acoustically modulated data signal, which is associated with an object, and based on the identification of the line by means of which said signal is sent from a receiving unit to a processing point. The content that is associated with said object is sent by means of said line from the processing point to the receiving unit, and thus an interaction between one of many subscribers by means of the receiving unit thereof and one of many objects is enabled. For this purpose, a station produces an acoustically modulated data signal, which is captured by the sound transducer of a receiving unit located within close range of the sound source of said station and forwarded by the receiving unit to the processing point. The processing point determines that the acoustic pattern has arrived and detects the number of the line on which this occurred. The processing point, based on the knowledge thereof of the station and of the line, provides information to the receiving unit on said line. The device for identifying objects and triggering desired interactions as described above according to said method comprises stations having a tone generator and a sound source, receiving units having a sound transducer, and a processing point. The stations are equipped with an input device, for example keys, a touchscreen, a trackball, a mouse, sensors, or a microphone for voice input.

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