

Title (en)
RADIO COMMUNICATION INTERFACE MODULE

Title (de)
FUNKÜBERTRAGUNGSBAUSTEIN

Title (fr)
MODULE D'INTERFACE DE RADIOCOMMUNICATION

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Application
EP 02722393 A 20020405

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Abstract (en)
[origin: WO02082316A1] The invention concerns a two-way radio communication interface module based on a predefined protocol for at least a user application, the module comprising at least a radio circuit for transmitting and receiving digital signals and at least a programmable circuit with a radio microcontroller for managing the radio circuit. The invention is characterised in that the radio microcontroller comprises a software stack consisting of a first part called protocol stack topped by a second part called applicative abstraction stack, the software stack enabling adaptation based on the protocol between the digital signals and the data and instructions of the application, the applicative abstraction stack enabling at least the translation of the data and instructions of the application into data and instructions based on the protocol for processing in the protocol stack, the module being a single hardware component also storing the user application and ensuring its execution in the radio microcontroller. The invention also concerns a use method with a bar-code scanner.

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