

Title (en)
SYSTEM AND METHOD FOR INFRARED COMMUNICATION

Title (de)
INFRAROTÜBERTRAGUNGSSYSTEM UND -VERFAHREN

Title (fr)
SYSTEME ET PROCEDE POUR COMMUNICATION INFRA-ROUGE

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Application
EP 99952777 A 19991029

Priority
• IL 9900572 W 19991029
• IL 12679998 A 19981029

Abstract (en)
[origin: WO0026686A2] A method and system for effecting bi-directional IR data communication between a plurality N of readers (21, 22, 23) and a plurality M of portable objects each having associated therewith a respective object transceiver (24, 25, 26, 27) which is initially dormant and has embedded therein a respective object ID uniquely identifying the object. Each reader transmits to an object transceiver a preamble containing the object ID for awaking the object transceiver from its initially dormant state, and a Reader Control Message (RCM) including a header; a respective reader ID so as to allow the reader to be addressed when required followed by up to K object IDs ($K < M$) each in respect of one of the object transceivers and each being followed by a respective command for controlling the respective object transceiver. Up to K data slots are allocated each for allowing communication of a data message between the respective reader and one of the object transceivers, and each of the M object transceivers may randomly select of one of R allocation slots for transmitting limited capacity data therein to the respective reader.

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IPC 8 full level
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See references of WO 0026686A2

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