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(54) **DATA STORAGE MEDIUM AND METHOD FOR CONTACTLESS COMMUNICATION BETWEEN THE DATA STORAGE MEDIUM AND A READER**

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H04Q 5/22 (2006.01)

(52) **U.S. Cl.**
USPC **340/10.41**; 340/10.1; 340/10.2; 340/10.4;
340/10.42

(58) **Field of Classification Search**
USPC 340/10.1, 10.2, 10.4, 10.41, 10.42
See application file for complete search history.

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(57) **ABSTRACT**

A method and a data carrier for contactless, in particular parallel, communication of a reading device with at least two communication-ready applications located on a portable data carrier. A first communication-readiness signal is generated for a first application and sent to the reading device, the signal having a first identification number that is assigned to the first application and indicates to the reading device the communication readiness of said first application, and a second communication-readiness signal is generated and sent for a second application, the second signal having a second identification number different from the first identification number, which is assigned to said second application and indicates to the reading device the communication readiness of said second application. The identification numbers simulate for the reading device the communication readiness of a data carrier in each case. The reading device thus has the impression of communicating with applications of two separate data carriers.

22 Claims, 4 Drawing Sheets

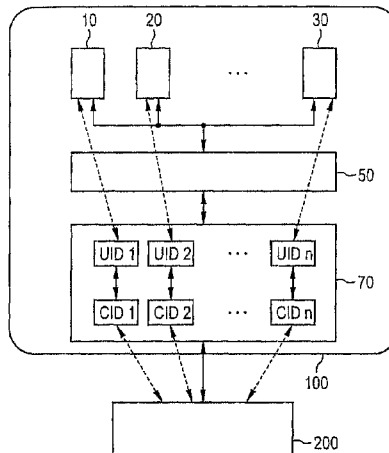
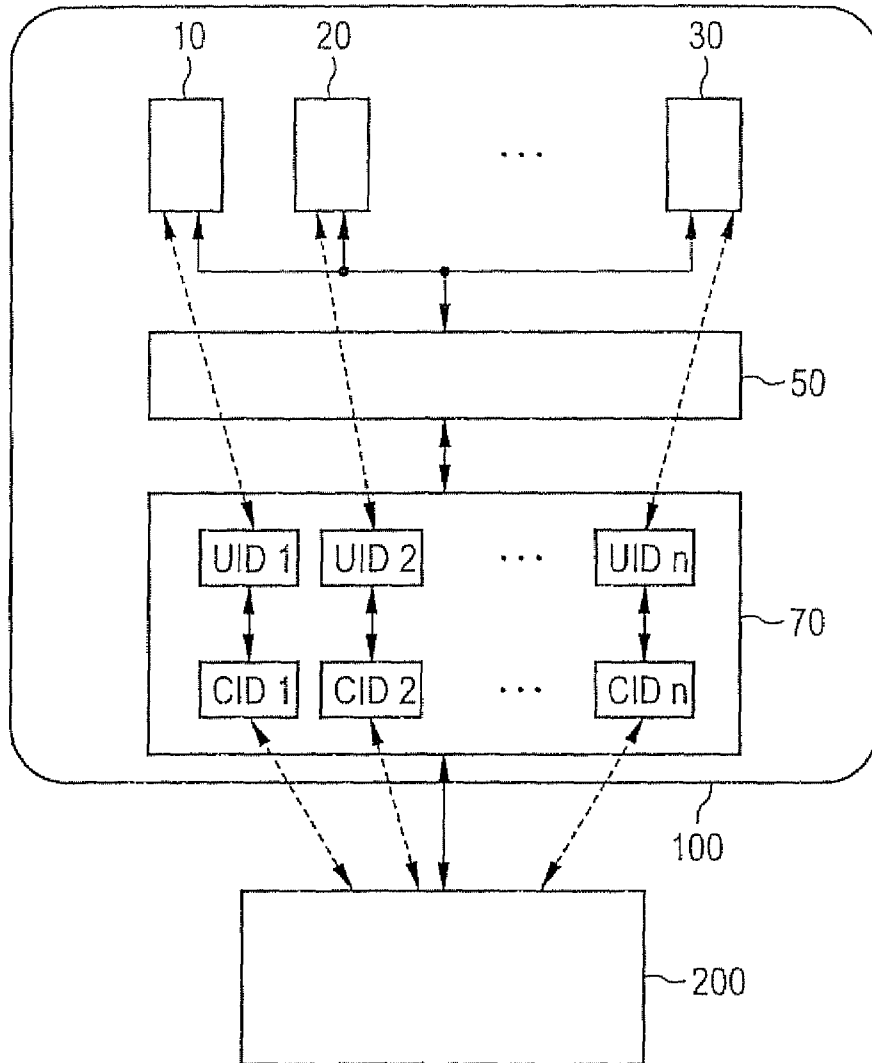


FIG 1



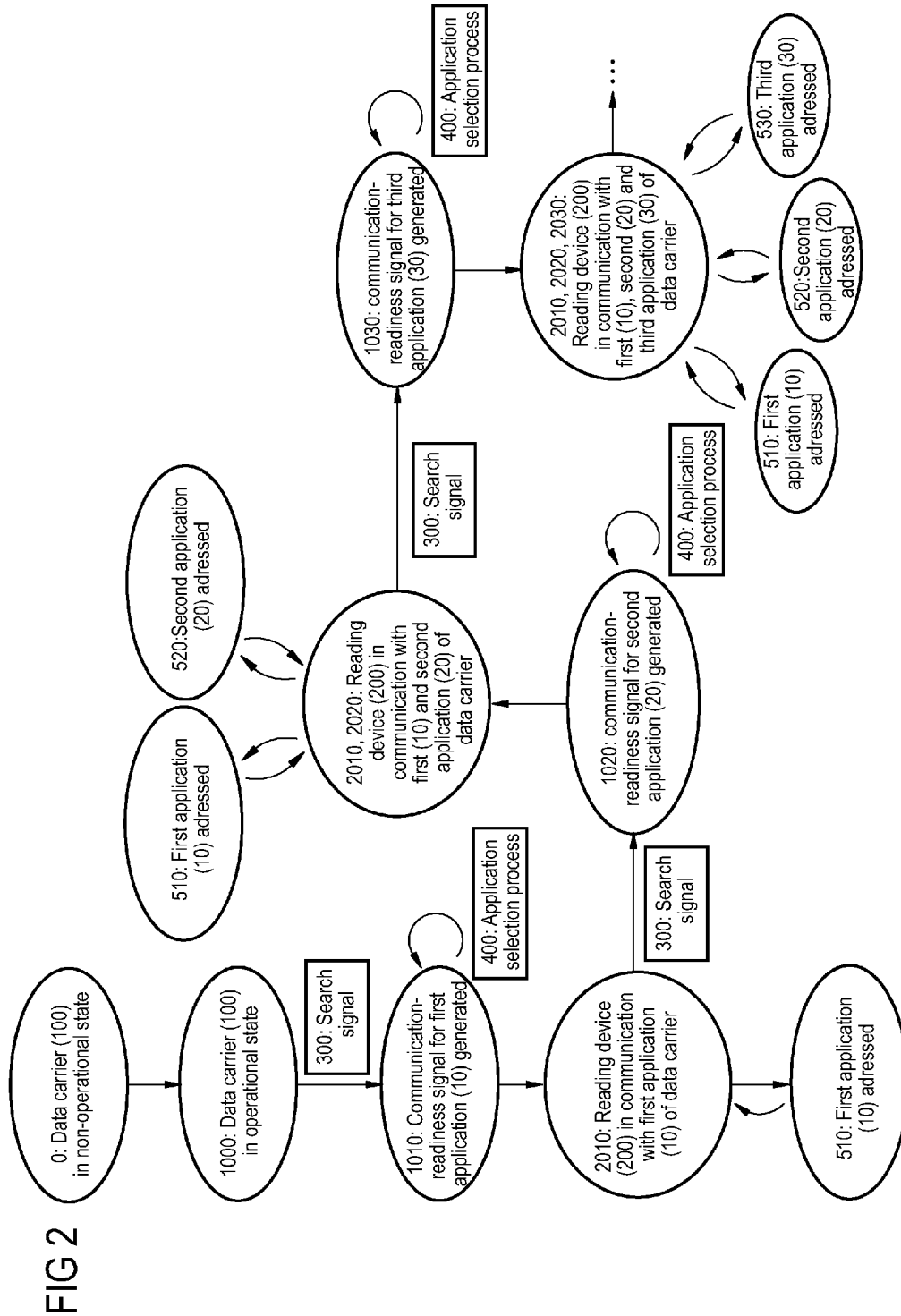


FIG 2

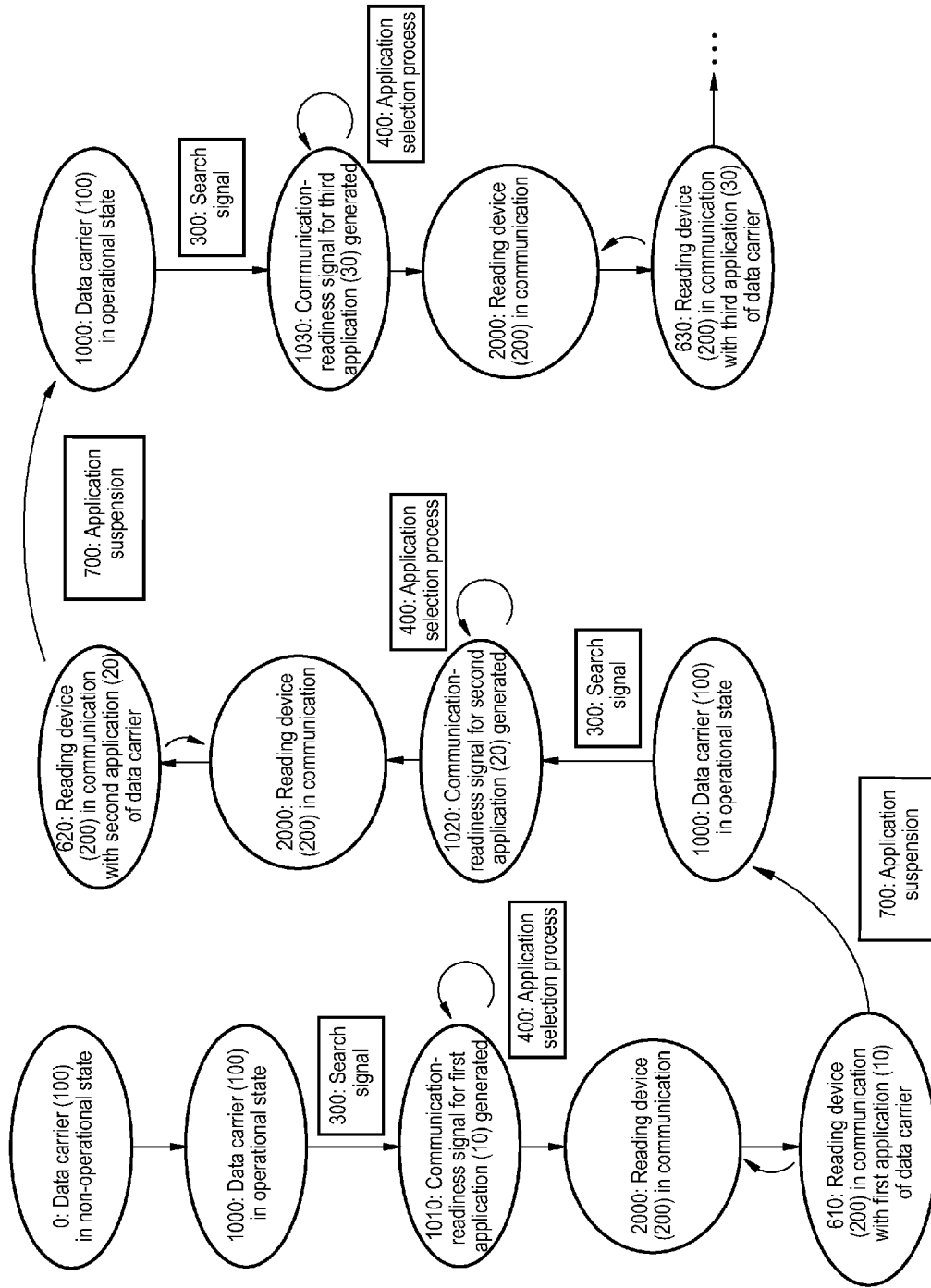
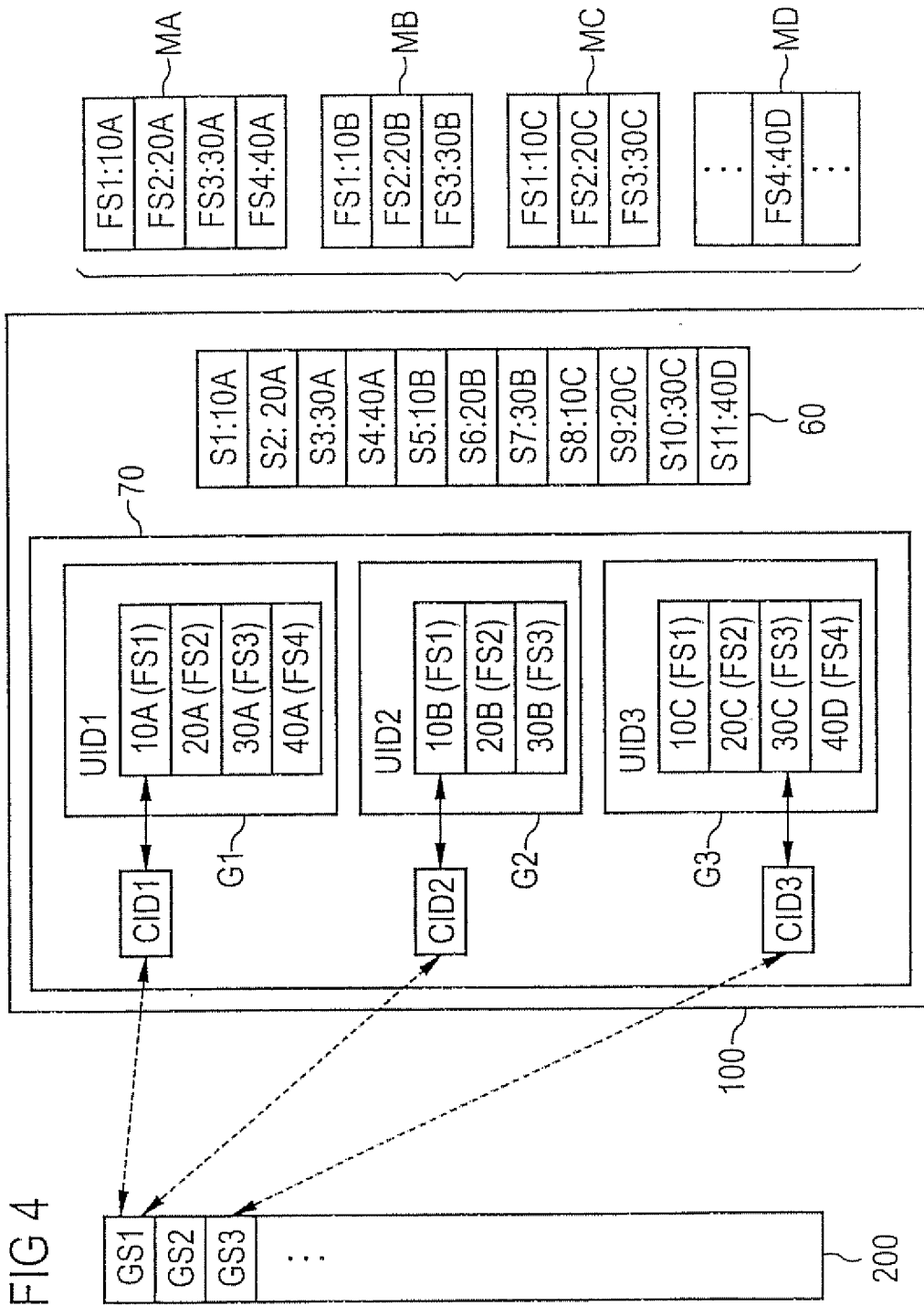


FIG 3



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