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(54) **METHOD OF PAIRING WIRELESS DEVICES**

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(57) **ABSTRACT**

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The invention relates to a method of pairing a first device with a second device, the first and second devices being adapted for wirelessly communicating with each other, the pairing of devices aiming at ensuring communication only between trusted devices. The invention further relates to a communication device, a system, a computer readable medium and a data processing system. The object of the present invention is to provide a simple and intuitive scheme for pairing two wireless devices. The problem is solved by providing in the first device an algorithm comprising at least the following states a) A STANDBY state where the first device is in a default state; b) A CONNECTED state where wireless communication between the first and second devices is established; c) A PAIRING state comprising a pairing search state where pairing inquiries are repeatedly issued by the first device; and further providing that when the first device is NOT in the STANDBY or CONNECTED states, the first device is automatically, repeatedly brought in the pairing search state. This has the advantage of providing an automatic scheme for pairing two wireless devices. The invention may e.g. be used for wireless communication devices, e.g. portable, low-power devices, such as listening systems.

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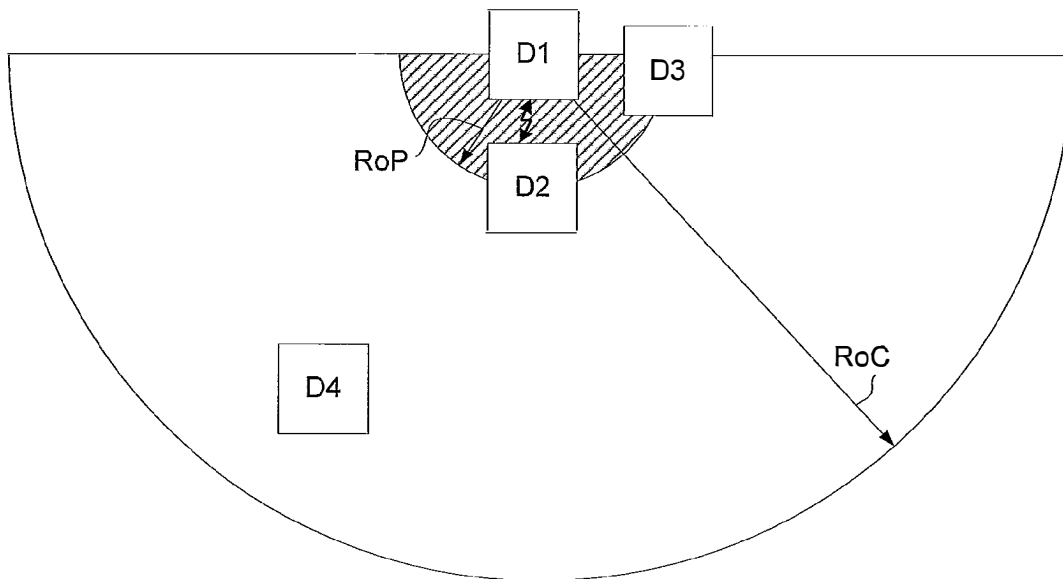
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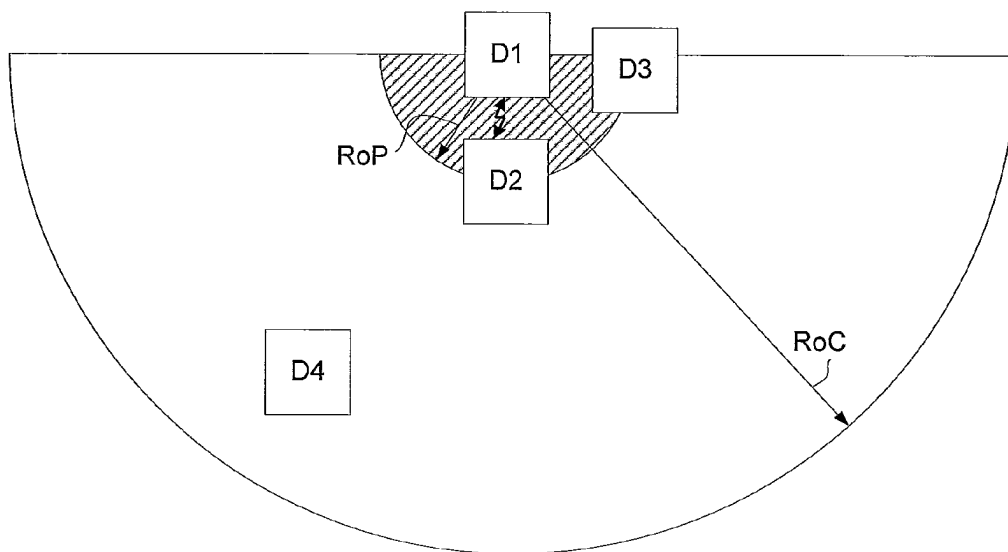


FIG. 1a

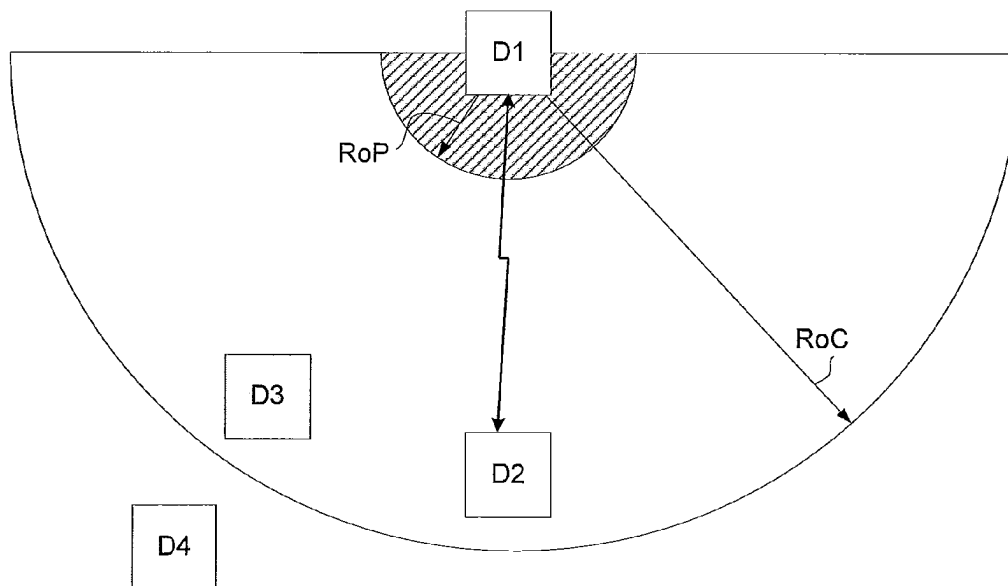


FIG. 1b

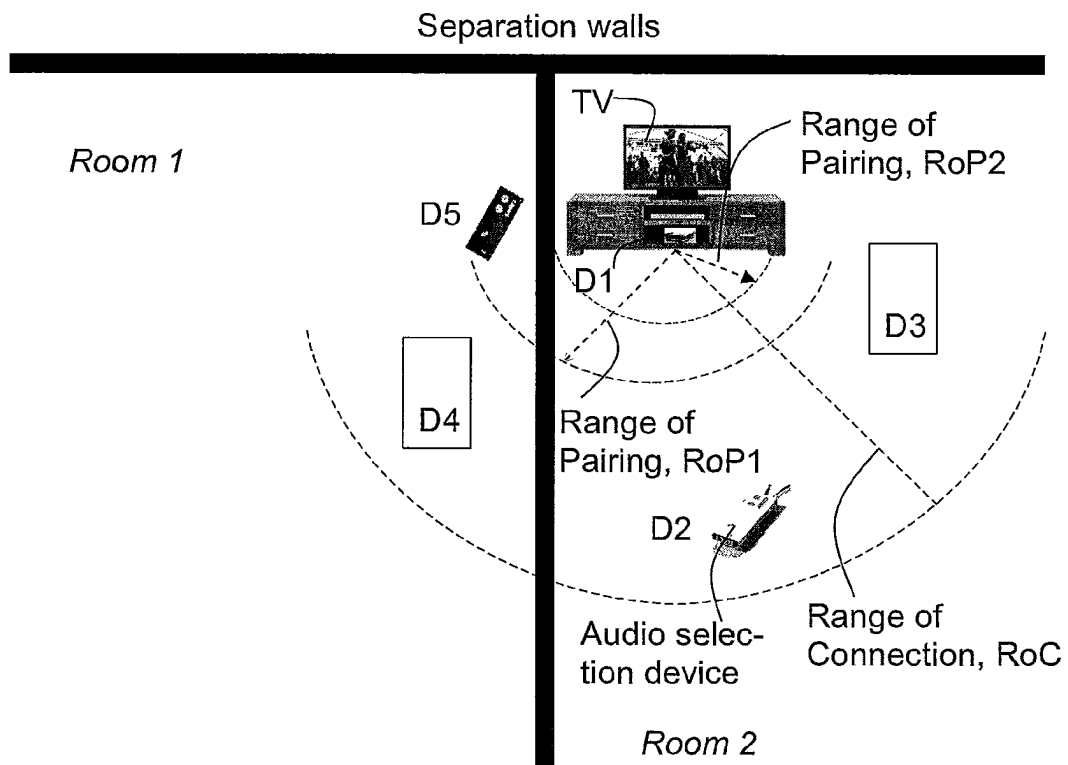


FIG. 1c

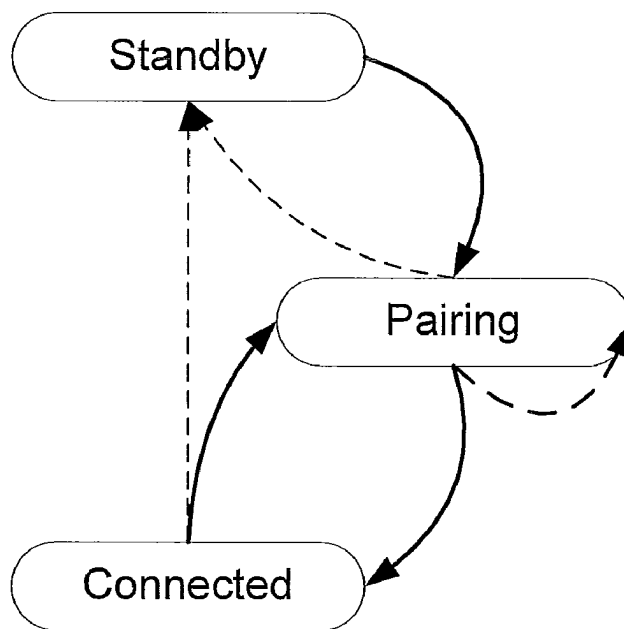


FIG. 2a

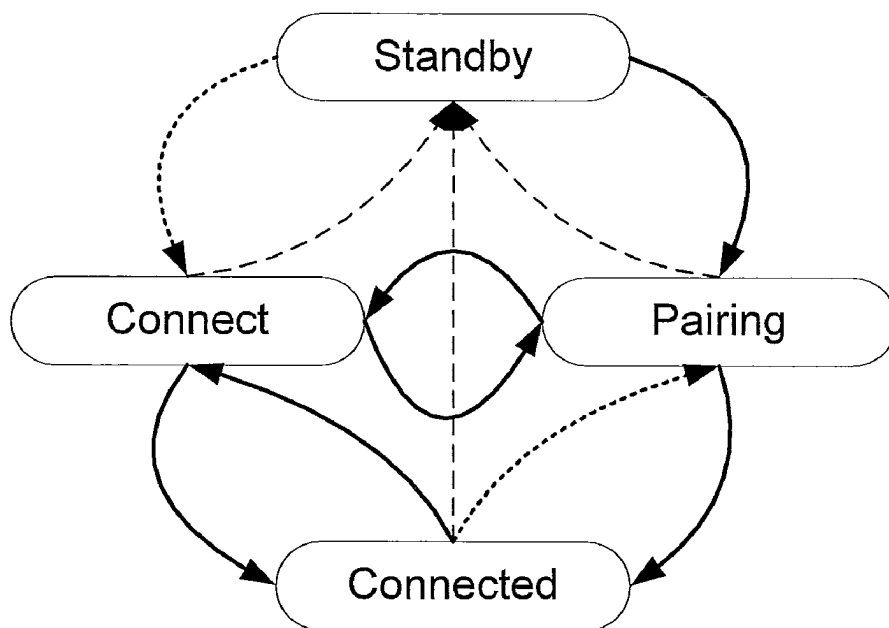


FIG. 2b

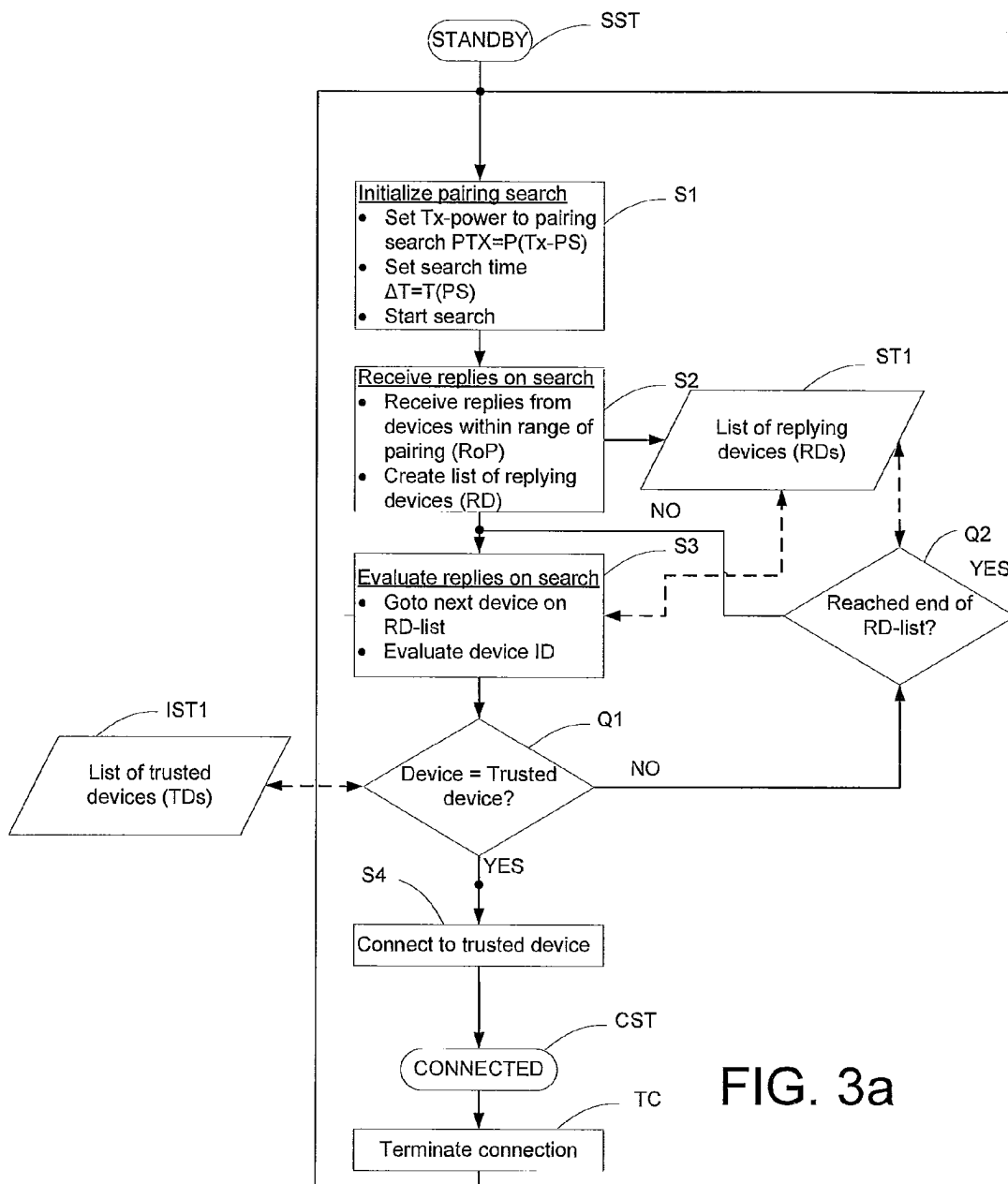


FIG. 3a

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