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(54) **AUTOMATION SYSTEM HAVING A MASTER-SUBSCRIBER STRUCTURE, DISTRIBUTOR AND METHOD FOR TELEGRAM TRANSMISSION**

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(57) **ABSTRACT**

An automation system has a plurality of subscribers including a first master unit, first distributor, second master unit, second distributor, and at least another subscriber unit. First and second transmitting/receiving devices of the first and second distributor are connected via a ring-shaped data bus. In a first mode, the first distributor forwards telegrams received from the first master unit to the first transmitting/receiving device, and forwards telegrams received by the second transmitting/receiving device to the first master unit. The second distributor also forwards first telegrams received by the first transmitting/receiving device to the second transmitting/receiving device. In a second mode, the second distributor forwards telegrams received by the second master unit to the second transmitting/receiving device, and the second distributor forwards telegrams received by the first transmitting/receiving device to the second master unit. The first distributor also forwards telegrams received by the second transmitting/receiving device to the first transmitting/receiving device.