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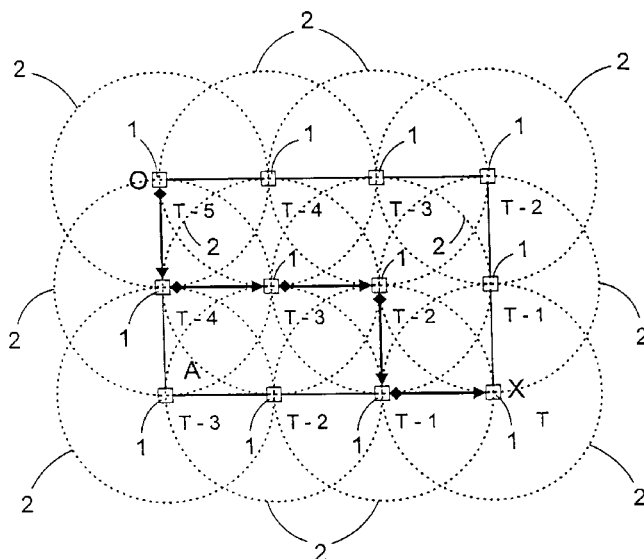
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- Declarations under Rule 4.17:**
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[Continued on next page]

(54) Title: A SYSTEM FOR AUTOMATIC COLLECTION AND TRANSPORT OF READINGS FROM WATER, GAS AND ELECTRICITY METERS



(57) Abstract: The system is characterised in that the at least one transmitter device includes an interface subsystem (3) that adapts the signal from the meter (4) to be processed by a microcontroller subsystem (5), which executes software application and prepares the meter (4) reading to be sent from an RF transmitter subsystem (6) to at least one receiver element (1) that creates a network in an area (A), according to a routing algorithm: A value t is assigned to the receiver elements (1), with 15 maximum value T . If the direct neighbours of a given network node have as a maximum an assigned value t , a value $t-k$ is assigned to this node. Every node will transmit a message to a node with t value larger than its own. If there is more than one with the same maximum value, it will transmit to one of them. The system allows the meter reading to be transported automatically to the billing centre.



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