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(54) Title: POWER SUPPLY AND CONTROL CIRCUIT FOR MOTOR-DRIVEN CONVEYING ROLLERS

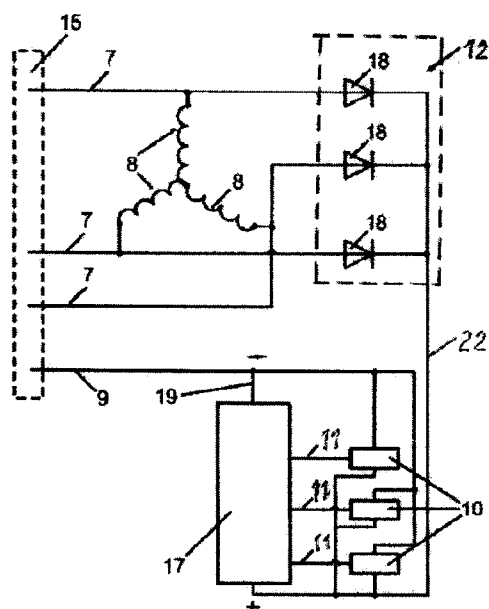


Fig. 5

(57) Abstract: The invention is intended for industry as component of cargo conveyors. In it the relevant commutation electronics is located outside the roller body. The invention provides that only four wires pass through the axial element for easy assembling, using four-terminal connectors. Roller (1) has a hollow body (3), in which an electric motor (4) is located, coupled to the body by driving and torque transferring (5). A cable (6) with terminals (7) from the coils (8) of the motor (4) and a first-potential terminal (9) powers the position sensors (10). Power to sensors is applied by first (9) and second-potential (12). The sensor signal terminals (11) are connected to a digital encoding device (17), powered by the first (9) and second (12) potential. This encoding device has one common encoded output (19) connected to the first potential terminal (9).



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