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- (54) **Title:** BRAKE CONTROLLER, ELEVATOR SYSTEM AND A METHOD FOR PERFORMING AN EMERGENCY STOP WITH AN ELEVATOR HOISTING MACHINE DRIVEN WITH A FREQUENCY CONVERTER

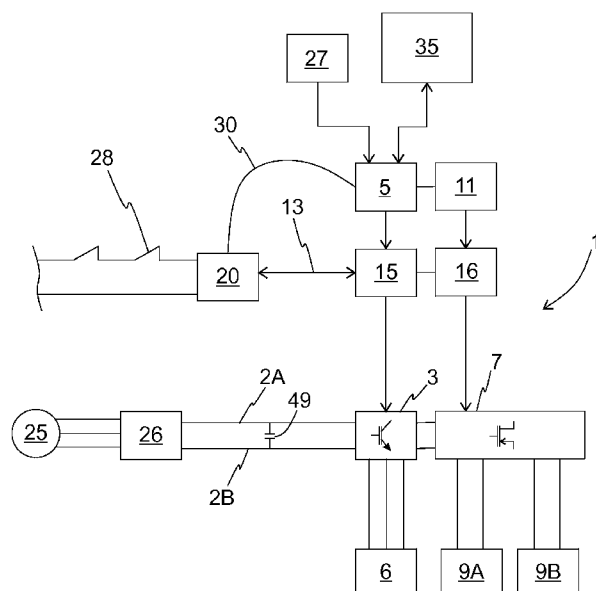


Fig. 1

- (57) **Abstract:** The invention relates to a brake controller (7), an elevator system and also a method for performing an emergency stop. The brake controller (7) comprises an input (29A, 29B) for connecting the brake controller to the DC intermediate circuit (2A, 2B) of the frequency converter driving the hoisting machine of the elevator, an output (4A, 4B) for connecting the brake controller (7) to the electromagnet (10) of the brake, a switch (8A, 8B) for supplying electric power from the DC intermediate circuit (2A, 2B) of the frequency converter driving the hoisting machine of the elevator via the output (4A, 4B) to the electromagnet (10) of a brake (9), and also a processor (11) with which the operation of the brake controller (7) is controlled by producing control pulses in the control pole of the switch (8A, 8B) of the brake controller.

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