

WINDOW BLOCK FOR BUILDINGS WITH AUTOMATED CONTROL

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Abstract

The control of the movable doors can be manual , but more often electrical control is required, in particular for automatic control systems ("smart house"). As a converter of electrical energy into a mechanical one, electric motors with a rotating rotor of various designs, for example gear units, are usually used. The general block diagram of the electrically controllable window blocks comprises an electric power converter (electric motor), a transmission link, a wire, position locks of the movable leaf, an electric control unit . A common disadvantage of the known electrically-controlled window units is their low energy efficiency.

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