

Title (en)
FIRE DAMPER AND A FIRE DAMPER CONTROL SYSTEM

Title (de)
BRANDSCHUTZKLAPPE MIT ANSTEUERSYSTEM

Title (fr)
CLAPET COUPE-FEU ET SON SYSTEME DE COMMANDE

Publication
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Application
EP 94915738 A 19940510

Priority
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Abstract (en)
[origin: WO9426352A1] Device for rotating a shaft between a starting position and a working position, preferably a rotary shaft (6; 28) of a fire damper (4; 50). The shaft (6; 28) can be rotated between the starting position and the working position by simultaneous actuation of a rotary motor (7; 36) and an electromagnet (13; 38) against the biasing force of a return spring (17; 52). The motor has an output shaft driven by a gear train and provided with a pinion (8; 32) which is in engagement with a toothed segment (5; 30), which, together with the return spring (17; 52) is mounted on the shaft (6; 28). By actuating the electromagnet (13; 38) and the motor (7; 36), the spring can be tensioned via the pinion (8; 32) and the toothed segment (5; 30) at the same time as the shaft (6; 28) is rotated to its working position. By means of a microprocessor (20) it is possible to individually control a monitor, via a two-wired loop, each of a group of fire dampers.

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