Title (en)

Disengagement linkage mechanism of extinction device for burner

Title (de)

Mechanismus zum Auslegen einer Brennerlöscheinrichtung

Title (fr)

Mécanisme de dégagement d'un dispositif d'extinction de brûleur

Publication

EP 1236955 A2 20020904 (EN)

Application

EP 02090078 A 20020227

Priority

JP 2001054157 A 20010228

Abstract (en)

An extinction device for a burner is so constructed that precision of the operation of the extinction device can be heightened even when a shape memory coiled spring (141) is used as a temperatura sensor. An extinction device comprises a swinging linkage (139) which is held free to rotate around a rotation center (145), a shape memory coiled spring (141) arranged, in an compressed condition, between the swinging linkage (139) and a second base (145b) provided on a frame (101) to generate a spring force to rotate the swinging linkage (139) in one direction around a rotation center (145), and a bias spring (143) arranged, in an expanded condition, between the swinging linkage (139) and a second fixed portion of the frame (101) to generate a spring force to rotate the swinging linkage (139) in the other direction around the rotation center (145). Such a spring is used for a shape memory coiled spring (141). The coiled spring (141) has a characteristic to give, to the swinging linkage, a torque larger than a torque given a spring force of a bias spring 143, when the circumference temperature exceeds a predetermined level. <IMAGE>

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IPC 8 full level

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CPC (source: EP KR)

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Citation (applicant)
- US 5413479 A 19950509 - NAKANISHI YUTAKA [JP], et al
- JP H06241449 A 19940830 - TOYOTOMI KOGYO CO LTD
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AT BE ES FR NL

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