

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 A3 20021127 (EN)**

Application  
**EP 02090078 A 20020227**

Priority  
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Abstract (en)  
[origin: EP1236955A2] 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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Citation (search report)  
• [AD] US 5413479 A 19950509 - NAKANISHI YUTAKA [JP], et al  
• [A] PATENT ABSTRACTS OF JAPAN vol. 018, no. 006 (M - 1537) 7 January 1994 (1994-01-07)  
• [A] PATENT ABSTRACTS OF JAPAN vol. 009, no. 183 (M - 400) 30 July 1985 (1985-07-30)  
• [A] PATENT ABSTRACTS OF JAPAN vol. 009, no. 067 (M - 366) 27 March 1985 (1985-03-27)

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