

Title (en)
Energy regulator with surfaces

Title (de)
Energierегler mit Nockenoberflächen

Title (fr)
Régulateur d'énergie avec surfaces de came

Publication
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Application
EP 01201895 A 19950509

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Abstract (en)
An energy regulator 1 has a bimetal element 5 and a heating element 11 for heating the element 5. Upon heating the deflection of the bimetal element 5 causes a switching action. The power level at which switching is determined is governed by a first cam surface upon which a first cam follower bears. Second and third cam surfaces are associated with the first cam surface and each has a corresponding cam follower operably linked to effect further independent switching functions. The regulator 1 has the bimetal element 5 as primary limb with a compensator limb 13. The primary limb is responsive to the heater 11 and the compensator limb compensates for ambient temperature fluctuation. The primary and compensator limbs are formed by splitting a single bimetal strip partway along its length. The bimetal structure may be mounted on a flexible pivot 17. A ceramic substrate film heater (11) and a method of making an electrical connection to a ceramic substrate film heater (11) is also disclosed <IMAGE>

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Citation (search report)
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• [Y] US 3178539 A 19650413 - CRAWFORD ROBERT S, et al
• [Y] DE 3701240 A1 19870806 - KIENZLER AG G [CH]
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