

Title (en)
Energy regulators

Title (de)
Energierегler

Title (fr)
Régulateurs d'énergie

Publication
EP 0807947 A3 19980311 (EN)

Application
EP 97113273 A 19940512

Priority
• EP 94303403 A 19940512
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Abstract (en)
[origin: EP0624890A2] A dual output energy regulator comprises a cam body 137 having a primary cam surface 136 for controlling the supply of energy to a load and a track 155 for receiving a collar 154 provided with an auxiliary cam surface 152 for controlling the opening of auxiliary contacts 142, 144. The collar 154 is rotatable relative to the body 137 and has detents 162,164 for retaining an auxiliary cam follower 150 in one of the positions in which the contacts 142,144 are either open or closed. A lost motion mechanism allows the cam member 137 to rotate by about 300 DEG from its original position without turning the collar at which point, dog teeth 166,168 on the collar 154, and cam member 137 engage to move the collar to its other position. Movement of the cam member 137 in the other direction does not result in movement of the collar until the dog teeth 166,168 again engage and return the collar 154 to its original position. <IMAGE>

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IPC 8 full level
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CPC (source: EP)
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Citation (search report)
• [XA] CH 386581 A 19650115 - BRAUN AG [DE]
• [A] EP 0027976 A1 19810506 - EGO ELEKTRO BLANC & FISCHER [DE]
• [A] WO 9000822 A1 19900125 - ROBERTSHAW CONTROLS CO [US]

Cited by
GB2352089A; WO0104921A1

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AT DE GB IT

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EP 0624890 A2 19941117; **EP 0624890 A3 19950222**; **EP 0624890 B1 19980304**; AT E163797 T1 19980315; DE 624890 T1 19960919; DE 69408716 D1 19980409; DE 69408716 T2 19980625; EP 0807947 A2 19971119; EP 0807947 A3 19980311; GB 9309804 D0 19930623

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