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BLIND OR CURTAIN SUSPENSION SYSTEM

ABSTRACT

An automatic blind or curtain suspension system is described comprising a blind headrail 10 or curtain pole carrying at least one suspension device 28 arranged for movement relative to the headrail 10 or pole towards and away from a stop 48 to open and close the blind or curtain. An electric motor 44a is coupled to the suspension device 28 and operable to cause it to move relative to the headrail 10 or pole. The system includes compression springs 50 adapted to take up additional drive from the motor once motion of the suspension device 28 is retarded by the stop 48. An automatic controller 12 is provided which detects a monotonic increase in current to the motor 44a associated with drive from the motor 44a being taken up by the springs 50 and interrupts current to the electric motor 44a when the increase in motor current is detected. The controller may also keep track of the position of the suspension device 28 and store its position when the increase in current is detected. Drive to the electric motor 44a during subsequent operation of the system may then be regulated in dependence upon the stored value to interrupt current to the motor before the suspension device 28 hits the stop 48 again.

Figure 3

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