

**ABSTRACT****IRON COMPRISING A MOTION DETECTOR**

An iron comprises a heating element (97), heating-control means (96) for the heating element (97), and a motion detector. The motion detector can be an electrostatic detector (35) which determines an amount of electrostatic charges present at the fabric. The motion detector can be a humidity detector (60) which detects a
5 resistivity of the fabric between two electrodes (62_a, 62_b) which are in contact with the fabric. A counting circuit (89) calculates a number of halfwaves of an electric signal supplied by one of the detectors and determines whether the iron is in use or is not in use. Moreover, the degree of humidity of the fabric can be determined by a measurement circuit (99).

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Reference: Figure 3.

Field of use: Flat-iron.