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(54) **HAIR STYLING APPLIANCE**

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**ABSTRACT**

A hair styling appliance is described having a pair of electrodes, a chamber located between the electrodes for receiving a section of hair, and a drive unit for applying an alternating voltage to the electrodes to heat the hair dielectrically. The appliance also has a pair of arms having an open position and a closed position. The arms grip the hair when in the closed position, and the chamber has a height of between 1 mm and 10 mm when the arms are in the closed position.

