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(54) Title of the invention : HAMMERED DULCIMER TUNING DEVICE

(51) International classification	:G10G0007020000, G10D0001120000, F16M0011180000, A47K0017000000, B29C0039020000	(71) <b>Name of Applicant :</b> <b>1)Chandigarh Group of Colleges, Jhanjeri</b> Address of Applicant :State Highway 12A Jhanjeri, Sahibzada Ajit Singh Nagar, Punjab 140307, India. Punjab India
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(57) Abstract :

A hammered dulcimer tuning device, comprising, a frame 1 comprising a toothed belt 2 configured with plurality of gears 3 and assembled over multiple tuning pegs 4, in order to tighten/loosen the pegs 4 for producing a melodious sound in a musical instrument, a gear 5 in association with a shaft 6 contigued to the belt 2 for assisting in rotation of the belt 2, a motor 7 connected with the shaft 6, wherein the motor 7 on being actuated by receiving a power supply, a sound sensor connected assembled on the frame 1 in proximity to the belt 2 for detecting sound waves produced by the instrument, an artificial intelligence (AI) based camera 8 functionally connected with a microcontroller for capturing images of a user relative to the frame 1, and a telescopic rod connected with the motor and positioned beneath the base for adjusting height of the frame 1. Ref Figure 1

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