

(54) Title of the invention : SOUND AMPLIFICATION DEVICE

<p>(51) International classification :B01L 030000, B01L 070000, H03F 010200, H03F 032400, H04R 270000</p> <p>(86) International Application No :NA Filing Date :NA</p> <p>(87) International Publication No : NA</p> <p>(61) Patent of Addition to Application Number :NA Filing Date :NA</p> <p>(62) Divisional to Application Number :NA Filing Date :NA</p>	<p>(71)Name of Applicant : 1)NOIDA INSTITUTE OF ENGINEERING & TECHNOLOGY Address of Applicant :19, KNOWLEDGE PARK-II, INSTITUTIONAL AREA, GREATER NOIDA-201306, GAUTAM BUDDHA NAGAR, UTTAR PRADESH, INDIA GREATER NOIDA -----</p> <p>Name of Applicant : NA Address of Applicant : NA</p> <p>(72)Name of Inventor : 1)KUMAR SAHIL Address of Applicant :Noida Institute Of Engineering & Technology, 19, Knowledge Park-II, Institutional Area, Greater Noida-201306, Gautam Buddha Nagar, Uttar Pradesh, India Greater Noida -----</p> <p>2)DR. VEENA GROVER Address of Applicant :Noida Institute Of Engineering & Technology, 19, Knowledge Park- II, Institutional Area, Greater Noida-201306, Gautam Buddha Nagar, Uttar Pradesh, India Greater Noida -----</p> <p>3)MR. ASHUTOSH KUMAR SINGH Address of Applicant :Noida Institute Of Engineering & Technology, 19, Knowledge Park- II, Institutional Area, Greater Noida-201306, Gautam Buddha Nagar, Uttar Pradesh, India Greater Noida -----</p>
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(57) Abstract :

The present invention relates to a sound amplification device (100) to control the volume and pitch of sound produced by a guitar. The device comprising components, including piezoelectric discs (102a-102b), a tuner (104), a first control key (106) and a second control key (108), all components housed within a body (114). An input jack (110) facilitates connection to guitar, while an output jack (112) enables sound transmission to an external speaker. The piezoelectric discs (102a-102b) play a pivotal role by converting guitar string vibrations into electrical signals. These signals then received by tuner (104) to accurately determine frequency and pitch. The first control key (106) and the second control key (108) allow user to make adjustments to the volume and pitch of the guitar's sound output. This sound amplification device (100) provides user with convenient solution for controlling and customizing the volume and pitch of sound produced by their guitars

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