

- [54] CONTROL CIRCUIT FOR VIBRATORY DEVICES
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[57] **ABSTRACT**  
 A vibratory amplitude controller for vibratory mechanisms such as a vibratory feeder having in addition to a parts container, an electromagnetic drive unit operated from an A.C. current source for imparting oscillatory motion to the parts container. The controller includes a sensing means for sampling the electromagnetic drive unit current during a specific predetermined interval each A.C. current cycle to produce a vibratory amplitude representing signal. Means responsive to the vibratory amplitude representing signal controls the amount of power delivered from the A.C. current source to the electromagnetic drive unit to maintain a desired vibratory amplitude under varying load and A.C. line voltage conditions.

- FOREIGN PATENT DOCUMENTS
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10 Claims, 12 Drawing Figures

