

Title (en)
DEVICE FOR CONTROLLING THE MOTION OF AN OSCILLATING CHUTE, AND SHAFT FURNACE CHARGING INSTALLATION WITH SUCH A DEVICE

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Application
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Abstract (en)
[origin: CA1173240A] The invention provides a control apparatus for the charging spout of a furnace that is to execute movements about two different axes so as to achieve a conical movement with circular precession and variable angle of inclination. The drive to the spout is by two hydraulic jacks controlled by the control device. The drive shaft to the spout interacts with two feelers which produce independent correction signals that are fed to the jacks if the required movement is not being produced. A safety feature is that the drive to the spout is via a universal joint and the mounting thereof includes elastic securing devices able to accomodate relative movements and shocks applied thereto. The invention thus provides a "miniaturised" control apparatus and a driving mechanism that is not subjected to the stresses and strains of the spout and its suspension.

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IPC 8 full level
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