

**PATENT NO. 325256**  
**A TORCH OSCILLATION SYSTEM**

**APPLICATION NO. 2797/DEL/2008**

**APPLICANT**

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**ABSTRACT**

A torch oscillation system for transverse movement of welding torch inside the joint gap" This invention relates to a torch oscillation system for transverse movement of torch inside the joint gap. This system comprises of a stepper motor provided on a fix plate. Fix plate connected to torch mounting plate via supporting guides and central guide of stepper motor, which convert rotating motion of said stepper motor into linear motion of head carrying torch.

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**CLAIM 1**

A torch oscillation system for transverse movement of torch inside the joint gap comprising of a step motor provided on a fix plate connected to a torch mounting plates via guides, which convert rotating motion of said step motor into linear motion of head carrying torch.

