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Automatic-Controlled Circumferential MAG Welding System for Pipeline Construction

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Synopsis:

An automatic-controlled MAG welding system which incorporates expert programs simulating professional skills and know-how has been developed and applied to field welding. The principal results work were: (1) Joining efficiency was nearly double that with conventional SMAW, (2) the quality of welded joints was excellent with few variations, and (3) further labor savings associated with a higher arc time rate are desired. The new system also holds considerable promise for alleviating dirty, dangerous, and hard work condit

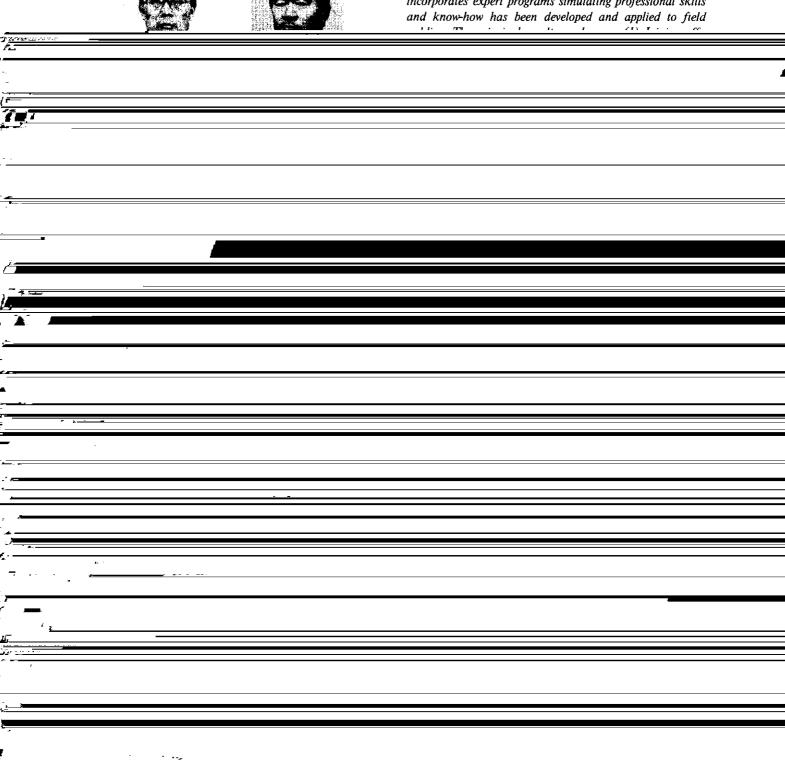
Automatic-Controlled Circumferential MAG Welding System for Pipeline Construction*

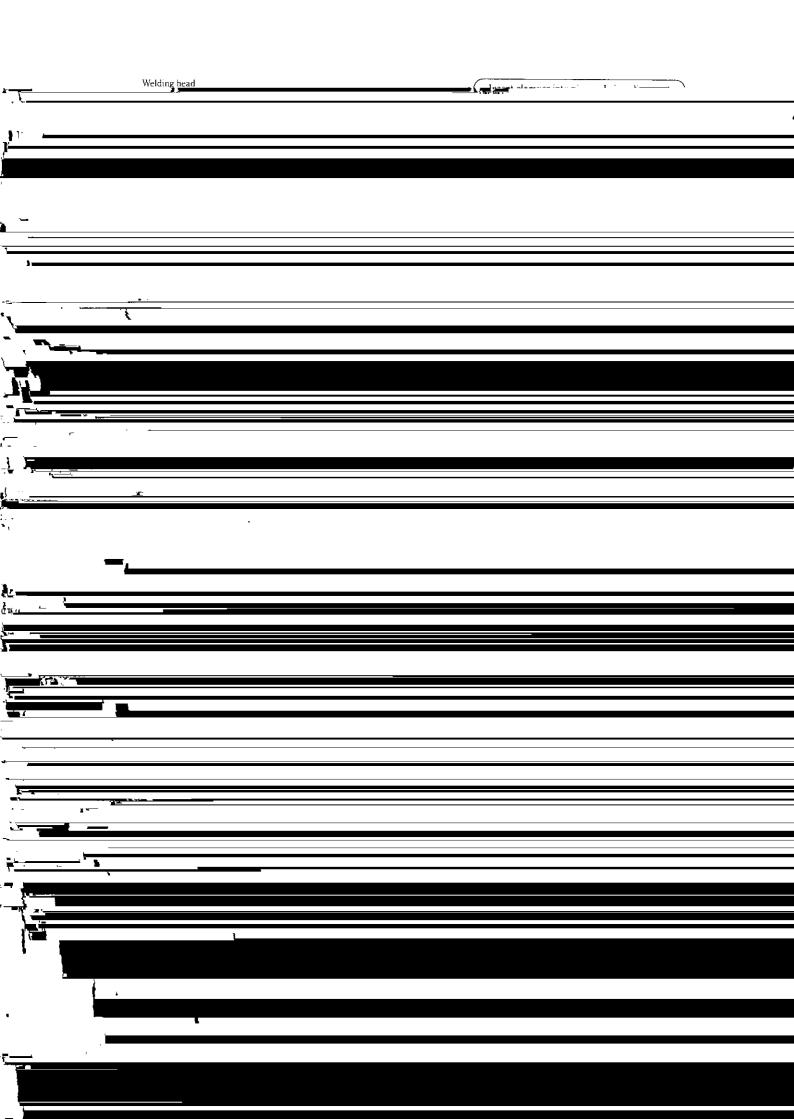




Synopsis:

An automatic-controlled MAG welding system which incorporates expert programs simulating professional skills





	and are incorporated into a data base for effective use as needed. (2) Actual Execution in Accordance with Chills	(7) Outstanding Mobility in Welding Work The system, including the engine-generator, control-
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