**PROCESS FOR HARDFACING OF BORE AND SEAT FACE INTERSECTION ON GATE VALVE**


## Abstract

**[0031]** A method of treating a valve with a coating, such as hardfacing, that includes depositing the coating with a spray stream that is oriented perpendicular to the surface being treated. The method further includes applying a coating of uniform thickness onto lateral surfaces of a valve seat, a portion of the valve seat bore, and the interface between a valve seat lateral surface and the valve seat bore. The valve seat bore can include an annular recess formed to receive a layer of coating.


Figure : 7