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(54) Title: METHOD OF WELDING FERRITIC STAINLESS STEEL TO CARBON STEEL USING A FILLER MATERIAL
MADE OF DUPLEX STAINLESS STEEL; CORRESPONDING WELDED ARTICLE

(57) Abstract: A method of welding a ferritic stainless steel part to a carbon steel part is described. The method comprises arc weld-
ing (e.g. GTAW welding) the ferritic stainless steel part to the carbon steel part using a duplex stainless steel filler metal. Welded
article made in this way is useful for industrial electrolyzers and particularly for corrosion resistant cathode and carrier plate assem-
blies in a sodium chlorate electrolyzer.

