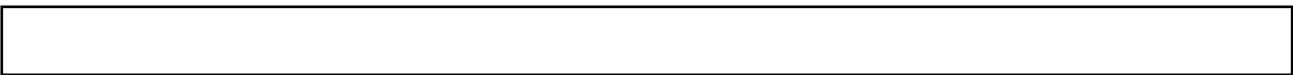




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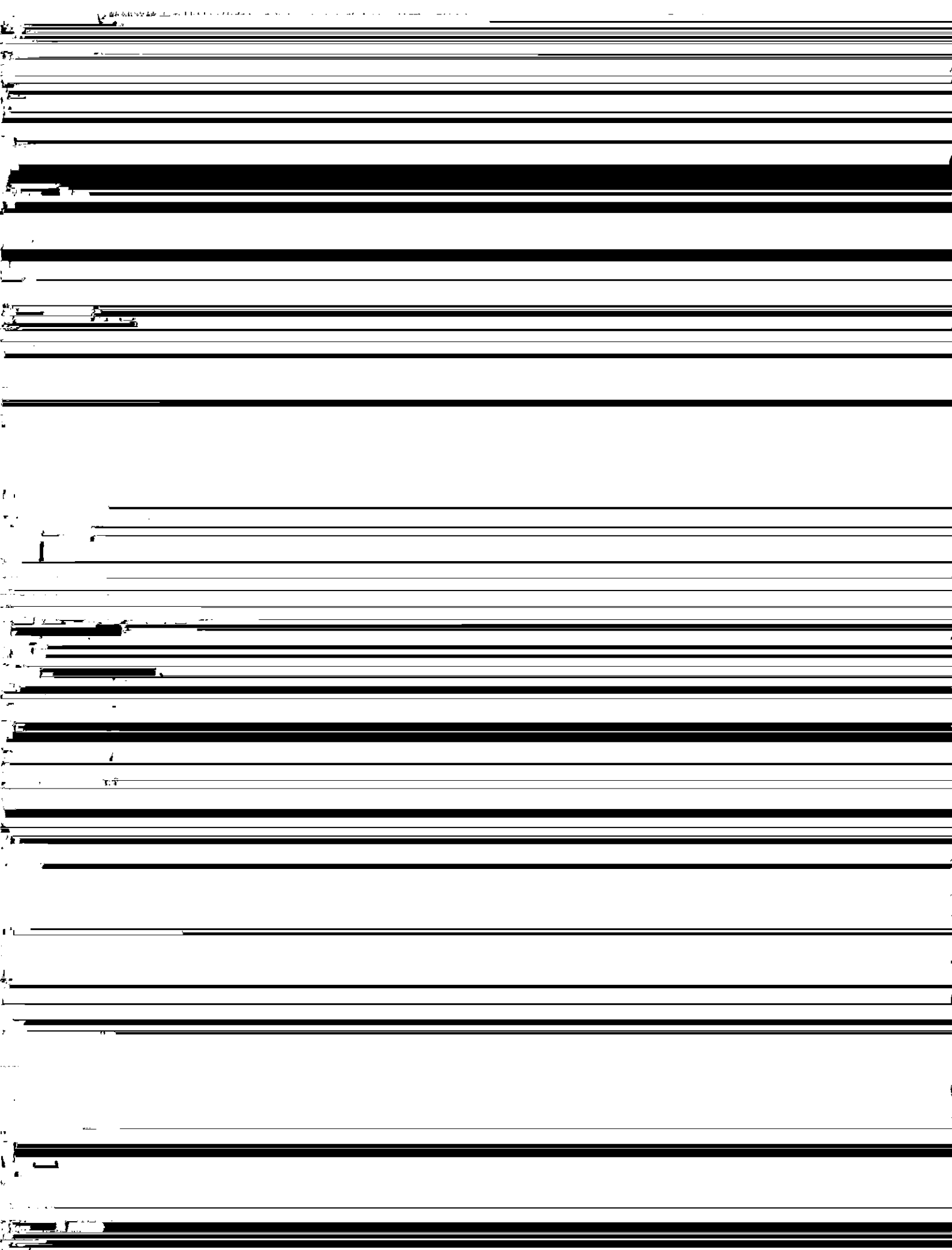


Internal and External Simultaneous Girth Welding Process  
for Pipeline



要旨

パイプラインの現地高能率溶接を指向し、内外面同時円周自動溶



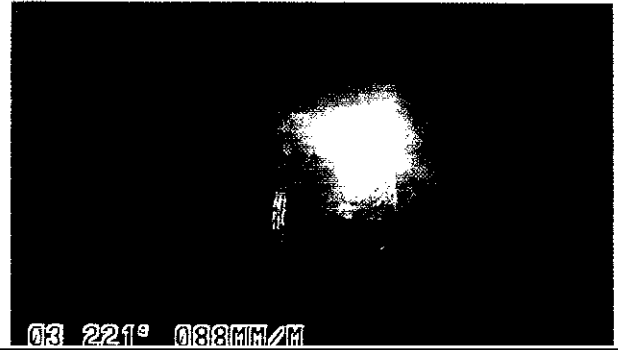
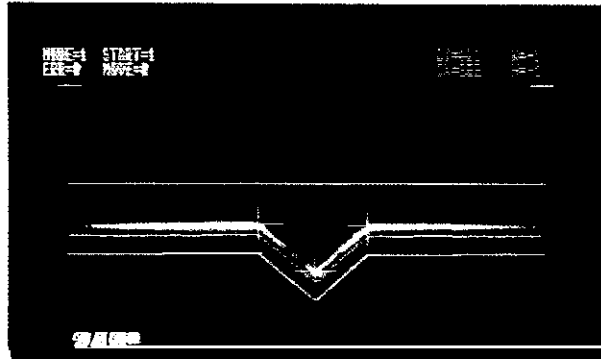


Photo 1 An example of the processed image of a groove cross-

Photo 2 An example of the picture taken by the arc monitor



・ Step 6

内面開先做いを視覚センサで行った後に、内面溶接を開始する。

