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(54) Title: CREATING CLAD MATERIALS USING RESISTANCE SEAM WELDING

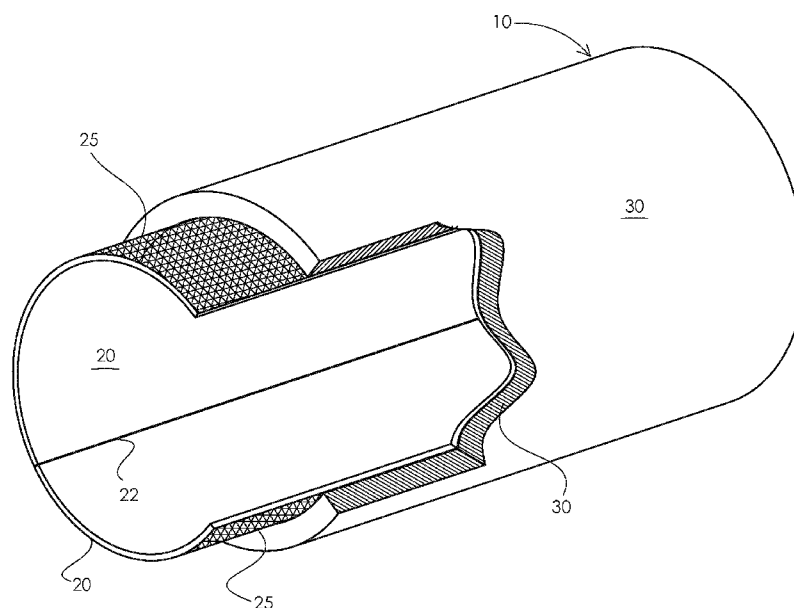


FIG. 1

(57) Abstract: A system for creating a clad material that includes at least one substrate; at least one cladding layer; at least one surface activation layer disposed between the at least one substrate and the at least one cladding layer; and a resistance seam welder, wherein the resistance seam welder is operative to generate heat and pressure sufficient to melt the at least one surface activation layer and form a bond between the at least one substrate and the at least one cladding layer when the at least one surface activation layer is cooled.



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