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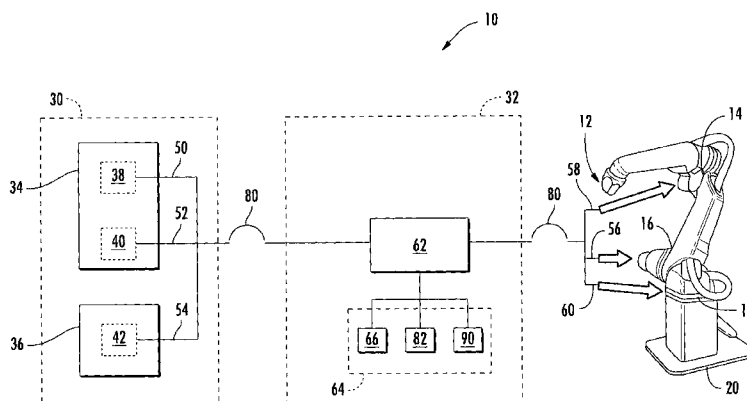


FIG. 1

(57) Abstract: A system (10) for remotely positioning an end effector (12) includes an input device (30) and at least one sensor (34, 36, 38, 40, 42) configured to generate at least one signal (50, 52, 54) reflective of a force applied to the input device (30). A processor (62) receives the at least one signal (50, 52, 54) and is configured to execute logic stored in a memory (64) that causes the processor (62) to compare the at least one signal (50, 52, 54) to a predetermined limit and generate a control signal (56, 58, 60) to the end effector (12) if the at least one signal (50, 52, 54) exceeds the predetermined limit. A method for remotely positioning an end effector (12) includes moving an input device (30), sensing a force applied to the input device (30), comparing the force applied to the input device (30) to a predetermined limit, and generating a control signal (56, 58, 60) to the end effector (12) if the force applied to the input device (30) exceeds the predetermined limit (36).

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