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(54) Title: IMPROVED FORM FACTOR AND ELECTROMAGNETIC INTERFERENCE PROTECTION FOR PROCESS DE-
VICE WIRELESS ADAPTERS

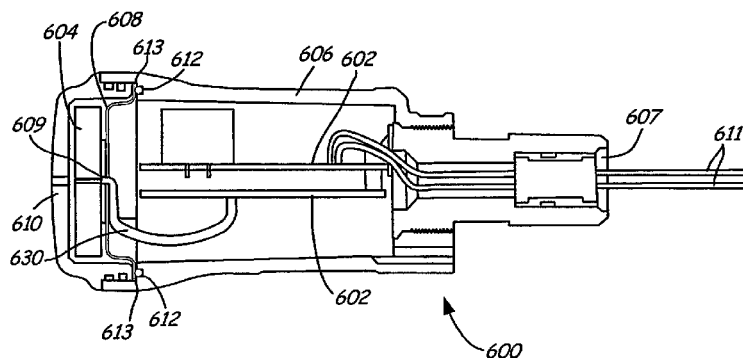


FIG. 6

(57) Abstract: A process device wireless adapter (300, 600, 700, 800) includes a wireless communications module (310, 602, 702), a metallic housing (302, 606), and an antenna (320, 604, 826). The wireless communications module (310, 602, 702) is configured to communicatively couple to a process device (350) and to a wireless receiver (502). The metallic housing (302, 606) surrounds the wireless communication module (310, 602, 702) and has a first end and a second end. The first end is configured to attach to the process device (350). In one embodiment, a metallic shield (608, 708) contacts the housing (302, 606) second end such that the metallic shield (608, 708) and the housing (302, 606) form a substantially continuous conductive surface. The antenna (320, 604, 826) is communicatively coupled to the wireless communication module (310, 602, 702) and separated from the wireless communication module (310, 602, 702) by the metallic shield (608, 708). Preferably, the wireless communications module (310, 602, 702) illustratively includes a printed circuit board that has a length that is greater than its width.



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