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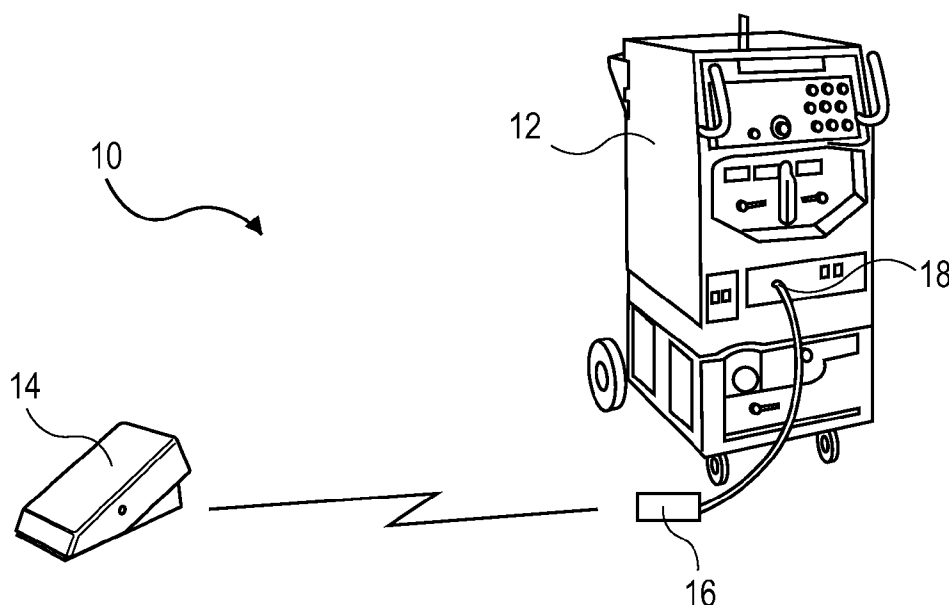
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[Continued on next page]

(54) **Title:** METHOD AND APPARATUS FOR CONTROLLING A WELDING SYSTEM



(57) **Abstract:** A wireless control system (10) for a welding system (12) including an electrical control interface (18). The control system (10) may generally comprise a foot pedal (14) and a receiver (16). The foot pedal (14) may include a pivotable housing (20), a sensing element (22) operable to sense a position of the pivotable housing (20) and provide a corresponding pedal position signal, and a transmitter (24) operable to wirelessly transmit the pedal position signal. The receiver (16) may include an antenna (36) operable to wirelessly receive the pedal position signal generated by the foot pedal (14), a processor (38) operable to process the received pedal position signal, and a connector (40) operable to connect with the electrical control interface (18) associated with the welding system (12) to provide the processed pedal position signal thereto.



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Category *	Citation of document, with indication, where appropriate, of the relevant passages Relevant to claim No.
X --- Y	U S 2002/0144979 A 1 (Fedorak) 11 March 2003 (11.03.2003), page 2, paragraph 26 - page 3, paragraph 33; Figures 1, 3. 1-4,6-8,1 1-13 and 15 ----- 5,9,10,14 and 16-20
Y	U S 5,247,449 A (Yoshida) 10 October 2002 (10.10.2002), whole document. 5, 9, 10, H and 17-19
Y	U S 2005/0219062 A 1 (Van Bosch et al.) 06 October 2005 (06.10.2005), pages 5-6, claim 32. 16 and 20
☐ Further documents are listed in the continuation of Box C. ☐ See patent family annex.	
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