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(71) Applicant: **SMITH & NEPHEW PLC** [GB/GB]; 15
 Adam Street, London WC2N 6LA (GB).

(72) Inventors: **ASKEM, Ben, Alan**; c/o Smith & Nephew Research Centre York Science Park, Heslington, Yorkshire YO10 5DF (GB). **FERRARI, Iacopo, Claudio**; c/o Flextronics Medical Sales & Marketing Limited, Level 3, Alexander House 35 Cybercity, Ebene, 35 (MU). **FOINI, Matteo**; c/o Flextronics Medical Sales & Marketing Limited, Level 3, Alexander House 35 Cybercity, Ebene, 35 (MU). **FORZANI, Paolo**; c/o Flextronics Medical Sales & Mar-

keting Limited, Level 3, Alexander House 35 Cybercity, Ebene, 35 (MU). **FRYER, Christopher, John**; c/o Smith & Nephew Research Centre York Science Park, Heslington, Yorkshire YO10 5DF (GB). **HUNT, Alan Kenneth, Frazer Grurgeon**; c/o Smith & Nephew Research Centre York Science Park, Heslington, Yorkshire YO10 5DF (GB). **RIVA, Christian**; c/o Flextronics Medical Sales & Marketing Limited, Level 3, Alexander House 35 Cybercity, Ebene, 35 (MU).

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(54) Title: NEGATIVE PRESSURE WOUND THERAPY APPARATUS AND METHODS

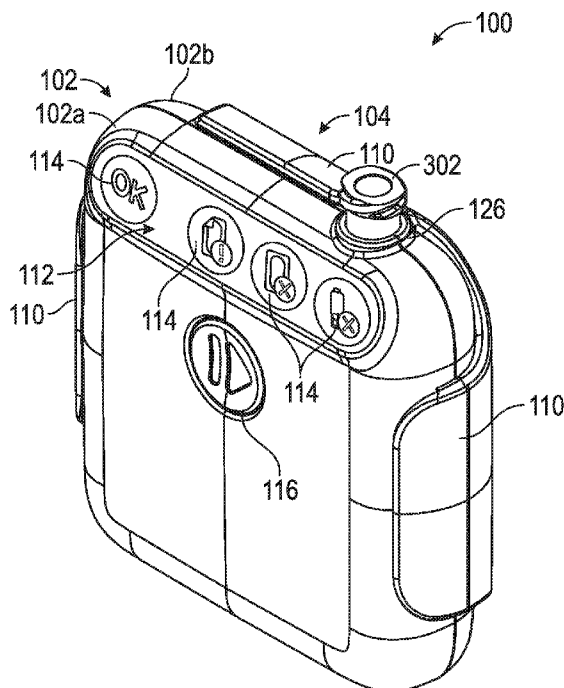


FIG. 1

(57) Abstract: Systems and methods for controlling a pump system for use in negative pressure wound therapy are described herein. In some embodiments, a method for controlling a pump system includes applying a drive signal to a pump assembly of the pump system, the drive signal alternating between a positive amplitude and a negative amplitude and the drive signal having an offset, and sampling a pressure within a fluid flow path configured to connect the pump system to a wound dressing configured to be placed over a wound during one or more time intervals. Each of the one or more time intervals can occur when the drive signal is approximately at an amplitude equal to one or more sampling amplitudes.



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