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**A61M 1/92; A61M 1/95; A61M 1/96; A61M 1/964;**  
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(54) **WOUND THERAPY SYSTEM WITH WOUND VOLUME ESTIMATION**

(57) A pump generates a vacuum at a wound site via first tubing. A negative pressure circuit is defined by a canister, the first tubing and the wound site. A controller of a therapy device operates the pump to apply a first negative pressure to the entirety of the negative pressure circuit, following which ambient air is allowed to flow into the negative pressure circuit. The controller also operates the pump to apply a second negative pressure to a

selected portion of the negative pressure circuit exclusive of the wound site, following which ambient air is allowed to flow into the selected portion. A quantity of fluid to be delivered to the wound site via a second tubing is determined by comparing measured parameters related to the flow of air into the negative pressure circuit to parameters measured with respect to the flow of air into the selected portion.

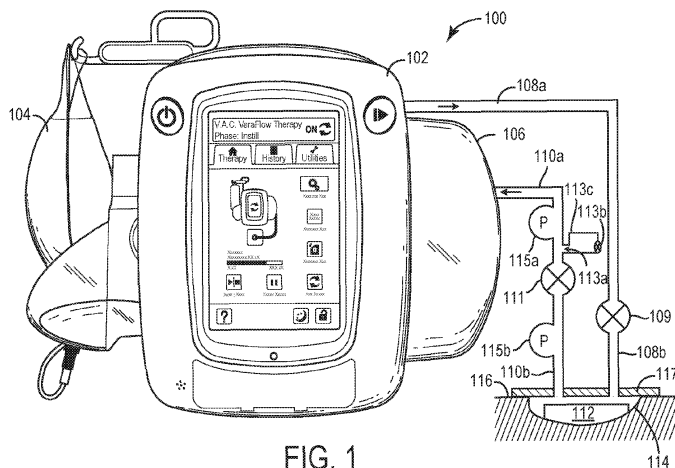


FIG. 1

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A61M 2205/3334



EUROPEAN SEARCH REPORT

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DOCUMENTS CONSIDERED TO BE RELEVANT

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A	EP 3 269 404 A1 (CG BIO CO LTD [KR]) 17 January 2018 (2018-01-17) * paragraph 0109; figures 1, 7 * -----	1-14	

TECHNICAL FIELDS SEARCHED (IPC)

A61M  
A61B  
A61F

The present search report has been drawn up for all claims

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Place of search <b>The Hague</b>	Date of completion of the search <b>17 May 2024</b>	Examiner <b>Martin Amezaga, J</b>
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ANNEX TO THE EUROPEAN SEARCH REPORT  
ON EUROPEAN PATENT APPLICATION NO.

EP 24 17 3474

5 This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.  
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17-05-2024

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