



(12) **CORRECTED EUROPEAN PATENT APPLICATION**

(15) Correction information:
Corrected version no 1 (W1 A1)
Corrections, see
Bibliography
Remarks

(51) International Patent Classification (IPC):
A61N 1/04 (2006.01) **A61N 1/39** (2006.01)

(52) Cooperative Patent Classification (CPC):
A61N 1/0484; A61N 1/046; A61N 1/0492;
A61N 1/3904

(48) Corrigendum issued on:
27.09.2023 Bulletin 2023/39

(43) Date of publication:
02.08.2023 Bulletin 2023/31

(21) Application number: **23153256.5**

(22) Date of filing: **27.10.2017**

(84) Designated Contracting States:
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB
GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO
PL PT RO RS SE SI SK SM TR

(30) Priority: **28.10.2016 US 201662414232 P**

(62) Document number(s) of the earlier application(s) in
accordance with Art. 76 EPC:
17801158.1 / 3 532 149

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Remarks:

- This application was filed on 25-01-2023 as a divisional application to the application mentioned under INID code 62.
- Claims filed after the date of filing of the application / after the date of receipt of the divisional application (Rule 68(4) EPC).

(54) **SYSTEMS, DEVICES, AND METHODS FOR PROVIDING ELECTROTHERAPY**

(57) Systems, devices and methods for providing a pressurized fluid for facilitating conductive gel release prior to providing cardiac therapy to a patient are disclosed. A first system can include a chemical reaction chamber including a first chemical and a second chemical isolated from each other by a mechanical barrier. The mechanical barrier is configured to be compromised upon receiving a signal from an electrotherapy device controller such that the first chemical and second chemical come into contact to produce a sufficient amount of pressurized fluid. An alternative system can include a pressure source comprising a reservoir containing a pressurized fluid. The pressure source can also include at least one release mechanism configured to cause a release of the pressurized fluid from the reservoir to an

exit port of the pressure source when a wearable medical device is preparing to deliver a therapeutic shock to a patient.

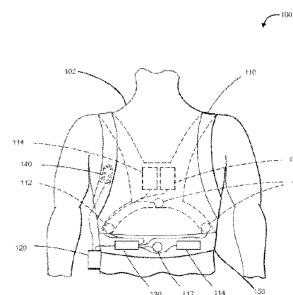


FIG. 1