



(12) **CORRECTED EUROPEAN PATENT APPLICATION**

(15) Correction information:
Corrected version no 1 (W1 A1)
Corrections, see
Bibliography INID code(s) 30

(51) International Patent Classification (IPC):
G01N 33/569 ^(2006.01) **C12Q 1/68** ^(2018.01)
C07H 21/04 ^(2006.01)

(52) Cooperative Patent Classification (CPC):
C12Q 1/689; **C12Q 2600/156**

(48) Corrigendum issued on:
12.10.2022 Bulletin 2022/41

(43) Date of publication:
17.08.2022 Bulletin 2022/33

(21) Application number: **21211005.0**

(22) Date of filing: **10.10.2006**

(84) Designated Contracting States:
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR
HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI
SK TR

(30) Priority: **11.10.2005 US 24843805**

(62) Document number(s) of the earlier application(s) in accordance with Art. 76 EPC:
10016031.6 / 2 325 643
06825875.5 / 1 934 613

(71) Applicant: **Becton Dickinson Infusion Therapy Systems Inc.**
Franklin Lakes, NJ 07417-1880 (US)

(72) Inventors:
• **HULETSKY, Ann**
Sillery, Québec G1S 4J3 (CA)

• **GIROUX, Richard**
Sillery, Québec G1S 4B4 (CA)

(74) Representative: **Vossius & Partner**
Patentanwälte Rechtsanwälte mbB
Siebertstraße 3
81675 München (DE)

Remarks:

- This application was filed on 29.11.2021 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) **SEQUENCES FOR DETECTION AND IDENTIFICATION OF METHICILLIN-RESISTANT STAPHYLOCOCCUS AUREUS (MRSA) OF MREJ TYPE XVIII**

(57) **ABSTRACT OF THE DISCLOSURE**

Described herein are novel SCCmec right extremity junction (MREJ) sequences for the detection and/or identification of methicillin-resistant *Staphylococcus aureus* (MRSA). Disclosed are methods and compositions based on DNA sequences for the specific detection of MREJ sequences designated types xi, xii, xiii, xiv, xv, xvi, xvii, xviii, xix, and xx for diagnostic purposes and/or epidemiological typing.

