



(11) **EP 3 570 050 A8**

(12) **CORRECTED EUROPEAN PATENT APPLICATION**
published in accordance with Art. 153(4) EPC

(15) Correction information:
Corrected version no 1 (W1 A1)
Corrections, see
Bibliography INID code(s) 72

(51) Int Cl.:
G01R 31/00 (2006.01)

(86) International application number:
PCT/CN2018/095647

(48) Corrigendum issued on:
15.01.2020 Bulletin 2020/03

(87) International publication number:
WO 2019/178987 (26.09.2019 Gazette 2019/39)

(43) Date of publication:
20.11.2019 Bulletin 2019/47

(21) Application number: **18882270.4**

(22) Date of filing: **13.07.2018**

(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
Designated Extension States:
BA ME
Designated Validation States:
KH MA MD TN

(71) Applicant: **Beijing Goldwind Science & Creation Windpower Equipment Co., Ltd.**
Beijing 100176 (CN)

(72) Inventor: **GAO, Rui**
Beijing 100176 (CN)

(74) Representative: **Gulde & Partner Patent- und Rechtsanwaltskanzlei mbB**
Wallstraße 58/59
10179 Berlin (DE)

(30) Priority: **21.03.2018 CN 201810236958**

(54) **METHOD AND DEVICE FOR DETECTING SHORT-CIRCUIT CAPACITY OF GRID-CONNECTED POINT OF WIND GENERATING SET**

(57) The present disclosure discloses a method and apparatus for detecting a short-circuit capacity at a grid connection point of a wind turbine. The method includes: modulating, when a converter is in a grid-side no-load modulation state and a power grid is short-circuited with the converter, a reactive power reference value and a braking power reference value of the converter, and collecting a modulated three-phase voltage signal and a modulated three-phase current signal of the grid connection point in the wind turbine system; obtaining, according to the modulated three-phase voltage signal and the modulated three-phase current signal at the grid connection point of the wind turbine as well as a rated line voltage at the grid connection point of the wind turbine, the short-circuit capacity at the grid connection point of the wind turbine. With the technical solutions in embodiments of the present application, it is possible to implement effective detection of a short-circuit capacity at a grid connection point of a wind turbine.

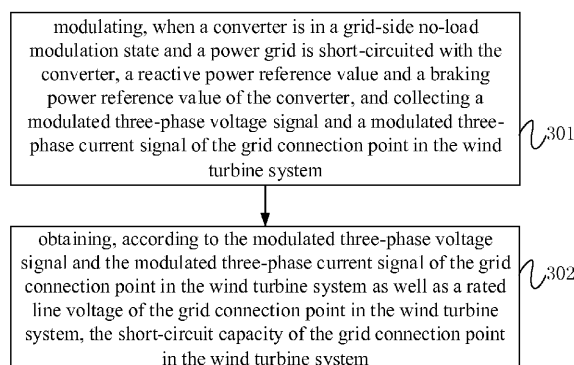


Fig. 3

EP 3 570 050 A8