

PATENTS ACT, 1978

**CERTIFICATE**

In accordance with section 44 (1) of the Patents Act, No. 57 of 1978, it is hereby certified that:

**Guangzhou City Polytechnic**

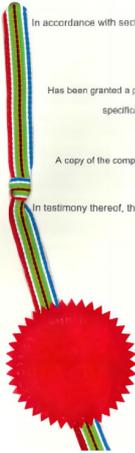
Has been granted a patent in respect of an invention described and claimed in complete specification deposited at the Patent Office under the number

**2023/00700**

A copy of the complete specification is annexed, together with the relevant Form P2.

In testimony thereof, the seal of the Patent Office has been affixed at Pretoria with effect from the 29<sup>th</sup> day of March 2023

  
 Registrar of Patents



**REPUBLIC OF SOUTH AFRICA**      FORM P2  
**PATENTS ACT, 1978**  
**REGISTER OF PATENTS**

|   |                              |                  |
|---|------------------------------|------------------|
| Official application No   | Logging date: Provisional    | Acceptance date  |
| 21 01 2023/00700  | 22                           | 47 06 March 2023 |
| International classification  | Logging date: National phase | Granted date     |
| 51 E04C   | 23 17 January 2023           | 29 March 2023    |
| 71 Full name(s) of applicant(s) (Patentee(s))<br>Guangzhou City Polytechnic   |                              |                  |
| 71 Applicant(s) substituted   | Date registered              |                  |
| 71 Assignee(s)  | Date registered              |                  |
| 72 Full name(s) of inventor(s)<br>Xu Bingjin  |                              |                  |
| Priority claimed:   | Country                      | Number      Date |
| 54 Title of invention<br>GRROUTING SLEEVE FOR PREFABRICATED BUILDING STEEL BAR CONNECTION   |                              |                  |
| Address of applicant(s) (patentee(s))<br>NO. 248 Guangyuan Middle Road, Baiyun District, Guangzhou City, Guangdong Province, China  |                              |                  |
| 74 Address for service<br>Sibanda and Zantark, Oaktree Corner, 9 Kruger Street, Oaklands (PO Box 1615 Houghton 2041), Johannesburg, 2192, SOUTH AFRICA<br>Reference no.: PT CP ZA00007110 (Invid: ) |                              |                  |
| 61 Patent of addition No.   | Date of any change           |                  |
| Fresh application based on  | Date of any change           |                  |

**REPUBLIC OF SOUTH AFRICA**      FORM P7  
**PATENTS ACT, 1978**  
**COMPLETE SPECIFICATION**  
 [Section 30(1) - Regulation 28]

|   |                    |
|---|--------------------|
| OFFICIAL APPLICATION NO.  | LOGGING DATE       |
| 21 01 2023/00700  | 22 17 January 2023 |
| INTERNATIONAL CLASSIFICATION  |                    |
| 51 E04C   |                    |
| FULL NAME(S) OF APPLICANT(S)  |                    |
| 71 Guangzhou City Polytechnic                                       |                    |
| FULL NAME(S) OF INVENTOR(S)   |                    |
| 72 Xu Bingjin   |                    |
| TITLE OF INVENTION  |                    |
| 54 GRROUTING SLEEVE FOR PREFABRICATED BUILDING STEEL BAR CONNECTION |                    |