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(71) Applicant: Ningbo Violet Lighting Electric Co., Ltd.  
Cixi, Zhejiang 315300 (CN)

(72) Inventors:

- SUN, Jiguo  
Cixi east costal area  
Zhejiang 315300 (CN)
- CHEN, Yuehua  
Cixi, Zhejiang 315300 (CN)
- WANG, Gang  
Cixi, Zhejiang 315300 (CN)

(74) Representative: Sun, Yiming  
HUASUN Patent- und Rechtsanwälte  
Friedrichstraße 33  
80801 München (DE)

## (54) PLUG-IN WATERPROOF WIRE CONNECTOR

(57) The disclosure relates to a plug-in waterproof wire connector, including: a sealing cap, a sealing ring, a connection cap, a cap plate, a conductive assembly, a fixed sleeve and a fixed cap, wherein the sealing cap has a first through hole for a wire to pass through, the fixed cap has a second through hole for a wire to pass through, the connection cap has a cavity with an opening arranged at both ends, the sealing ring is arranged at the first opening of the connection cap, the sealing cap is sealed and fastened with one end of the connection cap corresponding to the first opening, the cap plate is matched with the conductive assembly, the conductive assembly is located in the fixed sleeve, the cap plate is fastened with the fixed sleeve, the first end of the fixed sleeve has a third through hole directly facing the conductive assembly, the other end of the connection cap is sealed and fastened with the first end of the fixed sleeve, and the second end of the fixed sleeve is sealed and fixed with the fixed cap. This wire connector not only can realize rapid insertion and fixing of wires, but also can realize dustproof and waterproof wiring.

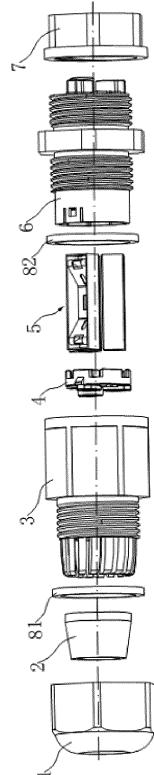


FIG. 4



## EUROPEAN SEARCH REPORT

**Application Number**

EP 16 18 9984

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Place of search	Date of completion of the search	Examiner			
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CATEGORY OF CITED DOCUMENTS					
X : particularly relevant if taken alone	T : theory or principle underlying the invention				
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**ANNEX TO THE EUROPEAN SEARCH REPORT  
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