

Title (en)  
COUPLED PFC CHOKE

Title (de)  
GEKOPPELTE PFC-DROSSEL

Title (fr)  
BOBINE PFC COUPLÉE

Publication  
**EP 4197014 A1 20230621 (DE)**

Application  
**EP 21762599 A 20210811**

Priority  
• DE 102020121245 A 20200812  
• DE 2021100685 W 20210811

Abstract (en)  
[origin: WO2022033633A1] The invention relates to a charger (OBC) (1) for an electric motor vehicle (2), comprising a housing having at least one electric input terminal (7), at least one output terminal (8), and power electronics (15) that are arranged in the housing and include at least one voltage converter and at least two PFC chokes (12), each PFC choke (12) being formed by a U-shaped wound core (16), the wound cores (16) being placed directly next to each other and the openings (19) in the U-shape being oriented in the same direction.

IPC 8 full level  
**H01F 37/00** (2006.01); **B60L 53/14** (2019.01); **B60L 53/22** (2019.01); **H01F 3/10** (2006.01); **H02J 7/02** (2016.01); **H02M 1/00** (2006.01); **H02M 1/42** (2007.01); **H02M 7/00** (2006.01)

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Citation (search report)  
See references of WO 2022033633A1

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