

Title (en)  
CONVERTER AND OPERATION THEREOF

Title (de)  
STROMRICHTERSTATION UND DEREN BETRIEB

Title (fr)  
STATION DE CONVERSION DE COURANT ET SON FONCTIONNEMENT

Publication  
**EP 3698458 A1 20200826 (DE)**

Application  
**EP 17816484 A 20171122**

Priority  
EP 2017080104 W 20171122

Abstract (en)  
[origin: WO2019101305A1] The invention relates to a converter station (1) having two line-commutated converters (4, 5), and to a method for operating the converter station (1). The two converters (4, 5) are electrically connected in an anti-parallel circuit at the same voltage polarity of a bipolar high-voltage direct current transmission line (30). One of the converters (4, 5) is operated as a rectifier in an AC network (27) and the other converter (4) is operated as an inverter in the AC network (27). A station reactive power (Q1) exchanged between the converter station (1) and the AC network (27) is controlled by an active power specification for converter active powers (P1) that is identical for both converters (4, 5), each of these converter active powers being exchanged between the converters (4, 5) and the AC network (27).

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CPC (source: EP US)  
**H02J 3/18** (2013.01 - EP); **H02J 3/36** (2013.01 - EP); **H02M 1/42** (2013.01 - EP); **H02M 7/493** (2013.01 - EP US); **H02M 7/515** (2013.01 - EP); **H02M 7/7575** (2013.01 - EP US); **H02M 7/77** (2013.01 - EP); **H02M 1/4266** (2013.01 - EP); **Y02B 70/10** (2013.01 - EP); **Y02E 40/30** (2013.01 - EP); **Y02E 60/60** (2013.01 - EP)

Citation (search report)  
See references of WO 2019101305A1

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