

Title (en)  
CONVERTER

Title (de)  
WANDLER

Title (fr)  
CONVERTISSEUR

Publication  
**EP 2443735 A1 20120425 (EN)**

Application  
**EP 09779835 A 20090618**

Priority  
EP 2009057620 W 20090618

Abstract (en)  
[origin: WO2010145705A1] A voltage source converter (20) for high voltage DC power transmission and reactive power compensation, the voltage source converter (20) comprising at least one chain-link converter (22) including first and second terminals (24,26) and first and second limbs (28,30) connected in series between the first and second terminals (24,26). Each limb includes a chain of modules (34) connected in series with at least one inductor (36). The terminals (24,26) of the or each chain-link converter (22) are connected in use to a DC network (38) and an AC phase connection (40) of the chain-link converter (22) is connected in use to an AC network (32) such that an AC current 29 flowing from the AC network (32) into the AC phase connection (40) divides between the first and second limbs (28,30). The chain-link converter (22) is controllable to control switching of each module (34) in each of the first and second limbs (28,30) in order to regulate the division of AC current (29) between the first and second limbs (28,30).

IPC 8 full level  
**H02M 7/797** (2006.01); **H02J 3/18** (2006.01); **H02J 3/36** (2006.01)

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**H02J 3/1857** (2013.01 - EP US); **H02J 3/36** (2013.01 - EP); **H02M 7/4835** (2021.05 - EP US); **H02M 7/797** (2013.01 - EP); **H02M 1/0003** (2021.05 - EP); **Y02E 40/20** (2013.01 - EP); **Y02E 60/60** (2013.01 - EP)

Citation (search report)  
See references of WO 2010145705A1

Citation (examination)  
LESNICAR ET AL: "A new modular voltage source inverter topology", 20030101; 20030000, 1 January 2003 (2003-01-01), XP002447361

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