

Title (en)

A METHOD AND A DEVICE FOR PROVIDING A VSC-CONVERTER WITH VOLTAGE

Title (de)

VERFAHREN UND VORRICHTUNG ZUR BEREITSTELLUNG EINER SPANNUNG FÜR EINEN VSC-UMSETZER

Title (fr)

PROCEDE ET DISPOSITIF DE MISE SOUS TENSION D'UN CONVERTISSEUR VSC

Publication

**EP 1307959 A1 20030507 (EN)**

Application

**EP 01932459 A 20010515**

Priority

- SE 0101057 W 20010515
- SE 0002861 A 20000810

Abstract (en)

[origin: WO0213364A1] An apparatus for providing a VSC-converter with a voltage has a series connection of at least four units (1-4) arranged between two poles (5, 6) of a direct voltage side of the converter, each said unit comprising a semiconductor device of turn-off type and a rectifying diode connected in anti parallel therewith, an alternating voltage phase line (19) connected to a first midpoint, called phase output, of the series connection between two units while dividing the series connection in two equal parts, in which the converter comprises a second midpoint (22, 24) between two said units of one part of the series connection through a flying capacitor (23) connected to a second midpoint of the other part of the series connection corresponding with respect to the phase output, comprises means for connecting an alternating voltage to the phase output (18) for providing the converter with voltage through provision of voltage of the direct voltage side thereof and an arrangement adapted to co-ordinate the provision of voltage of the direct voltage side of the converter and the charging of the flying capacitor, so that the capacitor is charged to a substantial proportion of full charging before the direct voltage side receives full voltage between the poles thereof.

IPC 1-7

**H02M 7/48**

IPC 8 full level

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CPC (source: EP US)

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