

Title (en)

DEVICE FOR EFFECTING THE BASIC INTERFERENCE SUPPRESSION OF A MATRIX CONVERTER

Title (de)

VORRICHTUNG ZUR GRUNDENTSTÖRUNG EINES MATRIXUMRICHTERS

Title (fr)

DISPOSITIF D'ANTIPARASITAGE PAR MISE A LA MASSE D'UN CONVERTISSEUR MATRICIEL

Publication

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Application

**EP 01956421 A 20010803**

Priority

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Abstract (en)

[origin: WO0215376A1] The invention relates to a device for effecting the basic interference suppression of a matrix converter (2) comprising an input filter (10) provided with capacitors (14). According to the invention, a suppression capacitor (CY1,CY2,CY3) is provided for each input phase (U, V, W) of the matrix converter (2). Said suppression capacitors are electrically connected in star, and the star point (16) thereof is connected in an electrically conductive manner to the ground potential. These suppression capacitors (CY1,CY2,CY3), which are electrically connected in star, are electrically connected in parallel to the capacitors (14) of the input filter (10). By using few capacitors and an input filter (10) of a matrix converter (2), a device is thus obtained for effecting the basic interference suppression of the matrix converter (2). This device can also be considered, analogous to a frequency converter, as a network filter.

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