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Abstract (en)
[origin: WO2009000377A1] The invention relates to an inverter for converting DC voltage into an alternating voltage or an AC voltage, comprising a first series connection that is connected to the DC voltage terminals and comprises at least one first electronic switch and a first inductance for accumulating the interconnected energy and a plurality of second electronic switches for transferring the accumulated energy. A second inductance is tightly coupled to the first inductance, both inductances supplying their energy to a filter capacitor that is arranged in parallel to the AC voltage terminal, respectively via a second electronic switch. Said inverter also comprises a shunt arm that comprises a series connection from a third clocked switch and a capacitor for receiving the energy from the leakage inductances and that is connected to the first inductance and the series connection of one of the second switches and the second inductance. The invention also relates to the use thereof, for example, with a solar generator for introducing into a public network.

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