

The invention relates to electrical engineering, namely to converters of direct current voltage to direct current voltage.

The converter of direct current voltage to direct current voltage comprises a filtering capacitor (2), two frequency capacitors (3, 4), connected in series between them, and two electronic switches (5 and 6), connected in series between them, all connected in parallel to the outputs of a direct-current source (1). Between the connection node of capacitors (3 and 4) and the connection node of electronic switches (5 and 6) is connected a primary winding (7) of a high-frequency transformer (8), the ferromagnetic core of which is made with a gap. Parallel to the primary winding (7) of the transformer (8) is connected a switching capacitor (10). To the outputs of the secondary winding (9) of the transformer (8) is connected an inductance coil (11). The converter also comprises a filtering capacitor (13), connected parallel to the coil (11) via a semiconductor element (12), at the same time the terminals of the capacitor (13) form the load connection terminals (14).

Claims: 1

Fig.: 2

