

Title (en)
LIQUID-COOLED VALVE CHOKE

Title (de)
FLÜSSIGKEITSGEKÜHLTE VENTILDROSSEL

Title (fr)
BOBINE DE SELF POUR TUBE REFROIDIE PAR LIQUIDE

Publication
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Application
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Abstract (en)
[origin: US5682292A] PCT No. PCT/DE94/00364 Sec. 371 Date Oct. 30, 1995 Sec. 102(e) Date Oct. 30, 1995 PCT Filed Mar. 31, 1994 PCT Pub. No. WO94/27304 PCT Pub. Date Nov. 24, 1994The invention relates to a liquid-cooled valve reactor, in particular for a high-voltage DC transmission installation, including a reactor core (2) and a reactor coil (4), the reactor coil (4) including a primary winding (24), which comprises two cooled winding sections (30, 32), and a secondary winding (26), and the reactor core (2) being provided with a plastic jacket (14). According to the invention, the reactor core (2) is provided with a clamping frame (56) which has on its free surfaces (58) in each case a heat dissipator (60), a liquid-cooled secondary resistor (28) is provided, which is connected electrically in parallel to the secondary winding (26), and the encapsulated reactor core (2) and the reactor coil (4) are mounted on a baseplate (6). The result is an intensively cooled valve reactor.

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