

Title (en)
ANTI-DIRECT-CURRENT NANOCRYSTALLINE DOUBLE-MAGNETIC-CORE CURRENT TRANSFORMER MAGNETIC CORE AND
MANUFACTURING METHOD THEREFOR

Title (de)
MAGNETKERN EINES NANOKRISTALLINEN DOPPELMAGNETKERN-STROMTRANSFORMATORS MIT ANTI-GLEICHSTROM UND
HERSTELLUNGSVERFAHREN DAFÜR

Title (fr)
NOYAU MAGNÉTIQUE DE TRANSFORMATEUR DE COURANT À DOUBLE NOYAU MAGNÉTIQUE NANOCRISTALLIN ANTI-COURANT
CONTINU ET SON PROCÉDÉ DE FABRICATION

Publication
EP 4394816 A1 20240703 (EN)

Application
EP 22885257 A 20220801

Priority
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Abstract (en)
Disclosed in the present disclosure are an anti-direct-current nanocrystalline double-magnetic-core current transformer magnetic core and a manufacturing method therefor. The anti-direct-current nanocrystalline double-magnetic-core current transformer magnetic core comprises a first nanocrystalline magnetic core, a second nanocrystalline magnetic core, and an annular packaging shell; and the first nanocrystalline magnetic core is sleeved at the outer side of the second nanocrystalline magnetic core, and the first nanocrystalline magnetic core and the second nanocrystalline magnetic core are coaxially arranged. The manufacturing method for the anti-direct-current nanocrystalline double-magnetic-core current transformer magnetic core comprises the following step: sequentially mounting the first nanocrystalline magnetic core and the second nanocrystalline magnetic core into the packaging shell to obtain the anti-direct-current nanocrystalline double-magnetic-core current transformer magnetic core. According to the anti-direct-current nanocrystalline double-magnetic-core current transformer magnetic core provided by the present application, two nanocrystalline magnetic cores are comprised in the anti-direct-current nanocrystalline double-magnetic-core current transformer magnetic core, and the magnetic cores are excellent in stability, good in linearity, high in sensitivity, and large in the adjustment range of magnetic conductivity. In addition, the manufacturing method provided by the present application is simple and low in processing cost.

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