Title (en)

CONTAINER FOR SCREENING MAGNETIC FIELDS OF LOW FREQUENCY

Title (de)

BEHÄLTER ZUR SCHIRMUNG VON MAGNETFELDERN NIEDRIGER FREQUENZ

Title (fr)

RÉCIPIENT DE BLINDAGE CONTRE LES CHAMPS MAGNÉTIQUES À BASSE FRÉQUENCE

Publication

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Application

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Priority

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Abstract (en)

[origin: WO2007134673A2] The invention relates to a container for screening magnetic fields of low frequency, wherein the container may be provided in particular for accommodating electrical apparatuses or component parts. The invention proposes a container which comprises at least one inner container consisting of insulating material and an outer container consisting of insulating material. The space between the inner container and the outer container is filled with a ferromagnetic material layer having a high magnetic permeability, and the outer container is supported with respect to the inner container(s) by spacer elements. Preferably, the container is tubular, in particular cylindrical. Particularly strong sources of magnetic fields having a low frequency are electrical cables and lines. The invention therefore also proposes a use for laying electrical supply lines, preferably medium-voltage and high-voltage cables.

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