

Title (en)
SOLENOIDAL MAGNET WITH HOMOGENEOUS MAGNETIC FIELD.

Title (de)
ELEKTROMAGNET ZUR ERZEUGUNG EINES HOMOGENEN MAGNETFELDES.

Title (fr)
AIMANT SOLENOIDAL A CHAMP MAGNETIQUE HOMOGENE.

Publication
EP 0204742 A1 19861217 (FR)

Application
EP 85905843 A 19851129

Priority
FR 8419191 A 19841214

Abstract (en)
[origin: WO8603882A1] Solenoidal resistive magnet with homogeneous field, particularly for MNR imaging. According to the invention, the magnet comprises a plurality of coils (13, 14, 15) preferably Bitter coils and certain parameters such as the lengths of the coils ($b_i - b'_i$), the distances which separate them ($b'_{i+1} - b_i$), their outer diameter (a_2) are selected in order to optimize the product power-mass of the magnet.

Abstract (fr)
Aimant solénoïdal résistif à champ homogène, notamment pour l'imagerie RNM. Selon l'invention, l'aimant comporte plusieurs bobines (13, 14, 15) de préférence des bobines de Bitter et certains paramètres tels que les longueurs des bobines ($b_i - b'_i$), les distances qui les séparent ($b'_{i+1} - b_i$), leur diamètre extérieur (a_2) sont choisis pour optimiser le produit Puissance-Masse de l'aimant.

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H01F 7/20

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G01R 33/381 (2006.01); **H01F 7/20** (2006.01); **G01R 33/38** (2006.01)

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