

Title (en)

Method and apparatus for forming magnetized areas on a magnetizable object.

Title (de)

Verfahren und Vorrichtung zur Bildung von magnetisierten Zonen auf einem magnetisierbaren Körper.

Title (fr)

Procédé et appareil pour former des zones magnétisées sur un corps magnétisable.

Publication

EP 0415841 A1 19910306 (FR)

Application

EP 90402375 A 19900828

Priority

US 40063589 A 19890830

Abstract (en)

[origin: JPH0391906A] PURPOSE: To generate a plural number of pairs of magnetic poles at an annular or flat object by providing a magnetic field attenuating means so as to avoid degaussing a magnetized part, first generating about one or two pairs of magnetic poles and next, moving a magnetizing device relative with respect to an object so as to generate an additional magnetic pole pair. CONSTITUTION: When pressing a supporting member 10 to an object to be magnetized 34 and making a current flow through magnetic conductor 26 and second conductors 28 and 30 from a pulse generator, a south pole and a north pole are respectively generated at the upper side part and the lower side part of a band 36 of the object 34, and a north pole and a south pole are respectively generated at the upper side part and the lower side part of a band 38. As the position of the member 10 next and supplying a current is moved in a direction opposite to that in the former case, a south pole and a north pole are generated respectively at the upper side and the lower side of a band 40 to reinforce the magnetizing of the band 38. At this time, the flow of a magnetic flux generated by currents passing through the conductors 38 and 30 attenuates the flow of a magnetic flux generated by a current of the conductor 26, passing through projections 12 and 18 of the member 10 and groove holes 20 and 24 for protecting a magnetic pole already formed in the band 36, positioned under a projection. Thereby, plural number of pairs of magnetic poles are formed at the annular or flat object.

Abstract (fr)

L'appareil sert à fabriquer un aimant présentant une pluralité de paires de pôles magnétiques. Une ou plusieurs paires sont formées au moyen de l'appareil lors d'une étape initiale. Puis des paires de pôles supplémentaires sont formées en déplaçant le support (10) de l'appareil par rapport au corps à magnétiser (34), ou en déplaçant le corps à magnétiser (34) par rapport au support (10) de l'appareil. L'appareil est conçu de telle façon que les parties déjà magnétisées du corps magnétisable (34) ne soient pas démagnétisées ou sensiblement modifiées par la magnétisation des parties voisines du corps magnétisable (34).

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CPC (source: EP KR US)

H01F 13/00 (2013.01 - EP US); **H01F 41/02** (2013.01 - KR)

Citation (applicant)

- US 4614929 A 19860930 - TSUKUDA TAKAAKI [JP], et al
- US 4773753 A 19880927 - HIROSE TAKAO [JP], et al
- US 4737753 A 19880412 - OUDET CLAUDE [FR]

Citation (search report)

- [Y] GB 1047468 A
- [A] US 4800353 A 19890124 - CSONKA PAUL L [US], et al
- [Y] Soviet Inventions Illustrated Derwent semaine 88/51, publié le 8 février 1989, Londres & SU-A-1403-110 (RELAY ENG RES DES)
- [A] PATENT ABSTRACTS OF JAPAN vol. 12, no. 162 (E-609)(3009) 17 mai 1988, & JP-A-62 274608 (DENSHI JIKI KOGYO K.K.)
- [A] PATENT ABSTRACTS OF JAPAN vol. 8, no. 25 (E-225)(1462) 02 février 1984, & JP-A-58 188107 (MAGUETSUKUSU K.K.)
- [A] PATENT ABSTRACTS OF JAPAN vol. 8, no. 111 (E-246)(1548) 24 mai 1984, & JP-A-59 27508 (ASUMO K.K.)

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