

Title (en)

MAGNETIC LIQUID AND METHOD AND DEVICE FOR THE PRODUCTION THEREOF

Title (de)

MAGNETISCHE FLÜSSIGKEIT UND VERFAHREN UND VORRICHTUNG ZUR HERSTELLUNG

Title (fr)

LIQUIDE MAGNETIQUE ET PROCEDE ET DISPOSITIF PERMETTANT DE LE PREPARER

Publication

EP 1051715 A1 20001115 (DE)

Application

EP 98965839 A 19981217

Priority

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Abstract (en)

[origin: DE19758350C1] The invention relates to a novel magnetic liquid and to a method and device for the production thereof. The aim of the invention is to produce a magnetic liquid which is based on a polar carrier liquid having a high saturation magnetization, i.e. having a high concentration of nanometer particles and a low viscosity, and to provide a method and device for the production thereof. To this end, a magnetic liquid is provided which comprises a saturation magnetization of at least 30 mT and a viscosity under 100 mPas at 40 DEG C, whereby the carrier liquid contains essentially no dissolved components of the outer adsorption layer. In addition, a method and device are provided for the production thereof.

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CPC (source: EP KR)

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