

Title (en)  
MAGNETIC FRICTION CLUTCH

Title (de)  
MAGNETISCHE REIBKUPPLUNG

Title (fr)  
EMBRAYAGE A FRICTION MAGNETIQUE

Publication  
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Application  
**EP 06722833 A 20060504**

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Abstract (en)  
[origin: WO2006128415A1] The invention relates to a magnetic friction clutch with two clutch pieces (2, 3), mounted to rotate relative to each other about a rotation axis. The second clutch piece has several soft magnetic annular zones (20a, 20b) subjected to the magnetic flux, running in the circumferential direction and separated from each other in the radial direction by circumferential slots. Annular zones adjacent to each other in the radial direction are connected to each other by webs. The slots are filled with a solidified cast mass (25) connecting the annular zones together. Facing inner and/or outer circumferential surfaces of the annular zones follow a line deviating from a circle concentric to the rotation axis. The second clutch piece can comprise several layers (22, 23) of differing soft-magnetic materials.

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CPC (source: EP US)  
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Citation (search report)  
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