

Title (en)  
Powder composite magnetic core and method of manufacturing the same

Title (de)  
Pulververbund-Kern und zugehöriges Herstellungsverfahren

Title (fr)  
Noyau composite de poudre et procédé de fabrication associé

Publication  
**EP 1564764 A2 20050817 (EN)**

Application  
**EP 04460055 A 20041223**

Priority  
PL 36423503 A 20031224

Abstract (en)  
Method for manufacturing powder magnetic core comprises the die being filled with first with soft magnetic powder, and then with hard magnetic powder, wherein the filling sequence is repeated alternatingly, at least once with soft magnetic powder and at least with hard magnetic powder, with the poured powder being bounded through compacting. <??>Powder composite magnetic core manufactured as spatial element characteristic in that it has at least two spaces (1, 2) existing, with at least one space filled with soft magnetic material (1) and least one space being filled with hard magnetic material (2). <IMAGE>

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**H01F 41/02**; H01F 1/12; H01F 1/032

IPC 8 full level  
**H01F 1/032** (2006.01); **H01F 1/12** (2006.01); **H01F 41/02** (2006.01)

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**H01F 1/032** (2013.01); **H01F 1/12** (2013.01); **H01F 41/0246** (2013.01)

Cited by  
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