

Title (en)  
INDUCTIVE ELEMENT

Publication  
**EP 0124809 B1 19870401 (DE)**

Application  
**EP 84104376 A 19840418**

Priority  
CH 254783 A 19830510

Abstract (en)  
[origin: EP0124809A1] 1. Inductive component, in particular choke for power electronics, comprising at least a winding (1) and a core (2) of high magnetic permeability, which core (2) consists substantially of a metal and is designed as a substantially closed magnetic circuit and is made up of a core inner part (6) and a core outer part (7), the winding (1) enclosing the core inner part (6) and for its part being enclosed by the core (2), and being isolated from the core outer part (7) by a winding gap (8) with a width (d) of less than 0.5 mm and or the winding gap (8) being filled with a solid insulating material characterised in that the core (2) is constructed as a package of transformer sheets and, to increase the heat transfer area, the package is subdivided into subpackages (21, ..., 23) and the subpackages (21, ..., 23) are isolated from one another by spacers (3) and form cooling channels (4).

IPC 1-7  
**H01F 27/22**; **H01F 27/08**

IPC 8 full level  
**H01F 27/08** (2006.01); **H01F 27/22** (2006.01)

CPC (source: EP)  
**H01F 27/085** (2013.01); **H01F 27/22** (2013.01)

Cited by  
EP0462005A1; US5164626A; US9911532B2; WO2014077976A1; US9524820B2

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