

Title (en)  
Inductor

Title (de)  
Induktor

Title (fr)  
Inducteur

Publication  
**EP 2816572 A1 20141224 (EN)**

Application  
**EP 13172269 A 20130617**

Priority  
EP 13172269 A 20130617

Abstract (en)  
An inductor comprising a magnetic core (2) forming a closed loop path for a magnetic flux, the magnetic core (2) having a high permeance element (4) interrupted by a low-permeance gap (6), the low-permeance gap (6) having an inner portion (61) and an outer portion (62), a distance between a centre (41) of the magnetic core (2) and the outer portion (62) being greater than a distance between the centre (41) of the magnetic core (2) and the inner portion (61), and a conductor (8) coiled around the magnetic core (2). The inner portion (61) of the low-permeance gap (6) has a substantially greater dimension in a circumferential direction than the outer portion (62) of the low-permeance gap (6).

IPC 8 full level  
**H01F 3/14** (2006.01)

CPC (source: EP)  
**H01F 3/14** (2013.01); **H01F 17/062** (2013.01)

Citation (search report)

- [X] DE 10234979 A1 20040212 - EPCOS AG [DE]
- [X] US 2004085174 A1 20040506 - DECRISTOFARO NICHOLAS J [US], et al
- [I] DE 102010015410 A1 20111020 - SUMIDA COMPONENTS & MODULES GMBH [DE]
- [A] US 2002149458 A1 20021017 - FUJIWARA TERUHIKO [JP], et al

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
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