

Title (en)  
REACTOR

Title (de)  
REAKTOR

Title (fr)  
RÉACTEUR

Publication  
**EP 2597656 A4 20150617 (EN)**

Application  
**EP 11809451 A 20110720**

Priority  
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Abstract (en)  
[origin: EP2597656A1] This reactor (DA) comprises: a coil (1A); an upper core member (21A) and a lower core member (22A) that encase the coil (1A); and a convex part core member (22b) that is positioned at the core of the coil (1A). The coil (1A) is configured by coiling a band-shaped conductor member such that the latitudinal direction of the conductor member follows the axial direction of the coil (1A). The one interior surface, of the upper core member (21A), that faces one of the end parts of the coil (1A) in the axial direction thereof, and the other interior surface, of the lower core member (22A), that faces the other of the end parts of the coil (1A) in the axial direction, are parallel in a region that at least covers the one of the end parts and the other of the end parts of the coil (1A). One of the end parts of the convex part core member (22b) is positioned within an aperture part (APA), which is formed upon the upper core member (21A), with a gap (GA) left between the circumference face of the one of the end parts and the circumference face of the aperture part (APA). The reactor (DA) thus provides a reactor that has comparatively high inductance, with low levels of loss and noise.

IPC 8 full level  
**H01F 37/00** (2006.01)

CPC (source: EP KR)  
**H01F 3/14** (2013.01 - EP); **H01F 17/045** (2013.01 - EP); **H01F 27/2847** (2013.01 - EP); **H01F 37/00** (2013.01 - KR)

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• [XAI] JP 2001167939 A 20010622 - TOKYO COIL ENG KK  
• [IA] EP 0005386 A1 19791114 - TELECOMMUNICATIONS SA [FR]  
• [A] JP H10335151 A 19981218 - KYOCERA CORP  
• See references of WO 2012011276A1

Cited by  
JP2014110394A; WO2021180744A1; US11114232B2; US11798731B2

Designated contracting state (EPC)  
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