

Title (en)

Coil component, method of manufacturing coil component, and coil component set

Title (de)

Spulenkomponente, Verfahren zur Herstellung der Spulenkomponente und Spulenkomponentensatz

Title (fr)

Bobine, procédé de fabrication d'un composant de bobine et ensemble composant comportant une bobine

Publication

EP 2889884 A3 20150819 (EN)

Application

EP 14196478 A 20141205

Priority

JP 2013262538 A 20131219

Abstract (en)

[origin: EP2889884A2] A coil component (100) of the present invention has an annular coil core (110) composed of a material having a higher permeability than that of air, and a winding (120) wound around the coil core (110) in close proximity thereto; and a cross section of the coil core (110), which is taken orthogonally to the winding axis of the winding (120), deviates either towards the inner loop side or towards the outer loop side of the coil core (110).

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

- [XA] WO 2013065095 A1 20130510 - HITACHI LTD [JP], et al & US 2014292455 A1 20141002 - KURITA NAOYUKI [JP], et al
- [XP] EP 2685477 A1 20140115 - ABB TECHNOLOGY LTD [CH]
- [X] JP 2006310539 A 20061109 - SUMIDA CORP
- [X] EP 2578869 A1 20130410 - VALEO EQUIP ELECTR MOTEUR [FR]

Designated contracting state (EPC)

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