

Publication

**EP 0587142 A3 19940330**

Application

**EP 93114422 A 19930908**

Priority

- JP 24052892 A 19920909
- JP 25098892 A 19920921

Abstract (en)

[origin: EP0587142A2] The rotary transformer of this invention includes a cylindrical inner magnetic core portion and a cylindrical outer magnetic core portion enclosing the inner magnetic core portion. The inner magnetic core portion and the outer magnetic core portion are rotatable with respect to each other about a common axis. The inner magnetic core portion has windings as a first coil on the outside surface, and the outer magnetic core portion has windings as a second coil on the inside surface. The inside surface opposes the outside surface of the inner magnetic core portion with a predetermined distance therebetween. Either the outer magnetic core portion or the inner magnetic core portion can be made from a resin ferrite, or both outer and inner magnetic core portions can be made from the same resin ferrite. <IMAGE>

IPC 1-7

**H01F 31/00**

IPC 8 full level

**H01F 38/18** (2006.01)

CPC (source: EP)

**H01F 38/18** (2013.01)

Citation (search report)

- [A] US 4939400 A 19900703 - MATSUSHITA AKIRA [JP], et al
- [YAX] PATENT ABSTRACTS OF JAPAN vol. 16, no. 120 (E - 1182) 26 March 1992 (1992-03-26)
- [Y] PATENT ABSTRACTS OF JAPAN vol. 8, no. 99 (E - 243)<1536> 10 May 1984 (1984-05-10)
- [YAX] PATENT ABSTRACTS OF JAPAN vol. 13, no. 220 (E - 762)<3568> 23 May 1989 (1989-05-23)
- [A] PATENT ABSTRACTS OF JAPAN vol. 16, no. 505 (E - 1281) 19 October 1992 (1992-10-19)
- [A] PATENT ABSTRACTS OF JAPAN vol. 12, no. 35 (E - 579)<2882> 2 February 1988 (1988-02-02)
- [A] PATENT ABSTRACTS OF JAPAN vol. 11, no. 314 (E - 549)<2761> 13 October 1987 (1987-10-13)

Cited by

EP0756154A3; EP0986073A4; EP2711947A1; US7724119B2

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**EP 0587142 A2 19940316; EP 0587142 A3 19940330; EP 0587142 B1 19961106**; CN 1089057 A 19940706; DE 69305819 D1 19961212; DE 69305819 T2 19970515

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