

Title (en)  
Vehicle mounting transformer.

Title (de)  
Fahrzeug montierter Transformator.

Title (fr)  
Transformateur monté sur véhicule.

Publication  
**EP 0551555 A1 19930721 (EN)**

Application  
**EP 92107435 A 19920430**

Priority  
JP 641092 A 19920117

Abstract (en)  
A light-weight and compact vehicle mounting transformer capable of providing a required reactive voltage and stable loose coupling characteristics between the output side windings is provided. The vehicle mounting transformer 4 comprises a shell-type iron core 5, an input side winding 6 and output side windings 7 wound around the iron core 5 in a magnetically inductive relationship relative to each other, a magnetic member assembly 17 with air gaps disposed between the input and output side windings, and a second magnetic member assembly 18 is disposed between the output side windings 7 for a magnetically loose coupling therebetween. The second magnetic member assembly 18 comprises air gap-less magnetic member 15 disposed within the space 5d surrounded by the iron core 5 and an insulating member 16 insulatingly supporting the air gap-less magnetic member 15 relative to the iron core and the windings. <IMAGE>

IPC 1-7  
**H01F 31/06**

IPC 8 full level  
**H01F 38/08** (2006.01)

CPC (source: EP KR)  
**H01F 27/24** (2013.01 - KR); **H01F 38/08** (2013.01 - EP)

Citation (search report)  
• [AD] JP H02184007 A 19900718 - MITSUBISHI ELECTRIC CORP  
• [AD] JP H01133311 A 19890525 - MITSUBISHI ELECTRIC CORP  
• [A] EP 0406555 A1 19910109 - MITSUBISHI ELECTRIC CORP [JP]

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WO2013061220A1; CN104025213A; EP4113547A1; SE2100103A1; SE545081C2; EP2251878A4; EP2398025A4; FR3089676A1; CN115863015A; EP4131749A4; WO2020115402A1; EP2771891B1

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DOCDB simple family (publication)  
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DOCDB simple family (application)  
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