

Title (en)  
Electromagnetic vibration generator.

Title (de)  
Elektromagnetischer Schwingungserreger.

Title (fr)  
Générateur électromagnétique des vibrations.

Publication  
**EP 0488005 B1 19940928 (DE)**

Application  
**EP 91119614 A 19911118**

Priority  
DE 4037994 A 19901129

Abstract (en)  
[origin: US5406152A] An electromagnetic vibration generator includes a housing, a U-shaped magnet core disposed in the housing and having parallel-extending legs each terminating in a pole face, and an excitation winding inserted on each core leg. The magnet core is encased in cast resin in the housing. The vibration generator further has an armature adapted to be vibrated by an excitation current flowing through the excitation winding. The armature is separated from the pole faces by an air gap. Arrangements are provided for reducing effects of heat expansion of components of the vibration generator on the air gap width.

IPC 1-7  
**B06B 1/04**

IPC 8 full level  
**B06B 1/04** (2006.01)

CPC (source: EP US)  
**B06B 1/045** (2013.01 - EP US)

Designated contracting state (EPC)  
AT CH DE ES FR GB IT LI

DOCDB simple family (publication)  
**US 5406152 A 19950411**; AT E112188 T1 19941015; AU 647546 B2 19940324; AU 8805091 A 19920604; DE 4037994 C1 19920305; DE 59103110 D1 19941103; EP 0488005 A2 19920603; EP 0488005 A3 19930120; EP 0488005 B1 19940928; ES 2061151 T3 19941201

DOCDB simple family (application)  
**US 79982991 A 19911127**; AT 91119614 T 19911118; AU 8805091 A 19911121; DE 4037994 A 19901129; DE 59103110 T 19911118; EP 91119614 A 19911118; ES 91119614 T 19911118