

Title (en)  
Shakeproof bearing.

Title (de)  
Bebensicheres Lager.

Title (fr)  
Appui résistant aux secousses.

Publication  
**EP 0341058 A1 19891108 (EN)**

Application  
**EP 89304491 A 19890504**

Priority  
• JP 11072088 A 19880506  
• JP 10118389 A 19890419

Abstract (en)  
A shakeproof bearing or an earthquake-proofing structure (10) comprises a columnar bearing body (13) and a surrounding high damping elastomer (14). The bearing body (13) includes a stack of rigid plates (12) and elastic plates (11) alternating with one another. The high damping elastomer (14) may be shaped into an annular cylinder or, alternatively, may be in the form of a columnar stack of alternating annular rigid plates (18) and annular high-damping-elastomer plates (17).

IPC 1-7  
**E04H 9/02**

IPC 8 full level  
**E04B 1/36** (2006.01); **E04H 9/02** (2006.01)

CPC (source: EP KR US)  
**E02D 27/34** (2013.01 - KR); **E04H 9/02** (2013.01 - KR); **E04H 9/022** (2013.01 - EP KR US)

Citation (search report)  
• [Y] FR 2594193 A1 19870814 - BRIDGESTONE CORP [JP], et al  
• [Y] FR 2442941 A2 19800627 - FREYSSINET INT STUP, et al

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US2017159287A1; US9945116B2; DE4425310A1; CN103603378A

Designated contracting state (EPC)  
DE FR GB IT

DOCDB simple family (publication)  
**EP 0341058 A1 19891108; EP 0341058 B1 19920923**; DE 68902949 D1 19921029; DE 68902949 T2 19930107; JP 2536924 B2 19960925; JP H0249834 A 19900220; KR 0169706 B1 19990218; KR 900018482 A 19901221

DOCDB simple family (application)  
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