

Title (en)  
A VIBRATION-DAMPING ARRANGEMENT

Title (de)  
VIBRATIONSDÄMPFENDE ANORDNUNG

Title (fr)  
DISPOSITIF D'AMORTISSEMENT DES VIBRATIONS

Publication  
**EP 1599636 A1 20051130 (EN)**

Application  
**EP 03816181 A 20030904**

Priority  
• SE 0301373 W 20030904  
• SE 0300565 A 20030304

Abstract (en)  
[origin: WO2004079103A1] A vibration-damping arrangement intended to be placed in a slot-like shaft or trench in earth layers, or in water masses, wherein the arrangement includes a flexible container (1) which is pressurised by a gas in its operative state, and wherein the container has an associated gas generating device (2) which is adapted to generate a predetermined gas volume in the container at a given time delay. The vibration-damping arrangement can be used to reflect the propagation of vibrations or to restrict the occurrence of the quicksand phenomenon in water-containing ground in the event of cyclic pressure variations, e.g. in earthquake or landslide conditions. The arrangement can be conveniently combined with means for draining water from the ground in the near proximity of the container.

IPC 1-7  
**E02D 31/08**; **E01F 8/00**; **E04B 1/84**

IPC 8 full level  
**E02D 3/10** (2006.01); **E02D 27/34** (2006.01)

CPC (source: EP US)  
**E02D 3/10** (2013.01 - EP US); **E02D 27/34** (2013.01 - EP US)

Citation (search report)  
See references of WO 2004079103A1

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)  
**WO 2004079103 A1 20040916**; AU 2003256212 A1 20040928; CA 2518422 A1 20040916; EP 1599636 A1 20051130;  
JP 2006511743 A 20060406; JP 4072537 B2 20080409; SE 0300565 D0 20030304; SE 0300565 L 20040113; SE 522097 C2 20040113;  
US 2006207190 A1 20060921

DOCDB simple family (application)  
**SE 0301373 W 20030904**; AU 2003256212 A 20030904; CA 2518422 A 20030904; EP 03816181 A 20030904; JP 2004569145 A 20030904;  
SE 0300565 A 20030304; US 54829305 A 20050906