

Title (en)
Compensation device to be applied on structural beams, foundations, walls, slabs or the like for the compensation of natural subsidences and/or bendings caused by load stresses

Title (de)
Vorrichtung zum Ausgleichen eines unebenen Untergrundes

Title (fr)
Procédé pour égaliser des phénomènes de tassement

Publication
EP 1375756 A1 20040102 (EN)

Application
EP 03012250 A 20030610

Priority
IT VR20020066 A 20020612

Abstract (en)
The present compensation device permits to obviate usual structural subsidences of buildings, especially whenever there occur subsidences of walls resting on long beams or other components subjected to downward bendings. <??>Generally, this compensation device includes a plurality of containing elements (2) which are cushion elements or the like. The containing elements (2) are carried out by utilizing two or more sheets. Suitable materials for the sheets may be steel, reinforced rubber, nylon or carbon. The sheets are bent and shaped suitably. <??>The said containing elements (2) are placed side by side consecutively and are connected with each other through connecting elements (3). <??>The containing elements (2) are filled with a suitable fluid which may be liquid or gaseous. In this way, it is possible to obtain an intercommunication among the containing elements so that a compression of one or more containing elements causes a corresponding expansion in one or more of the other containing elements. <IMAGE>

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E02D 35/00 (2013.01); **E02D 37/00** (2013.01)

Citation (search report)
• [X] GB 2329651 A 19990331 - SUBSIDENCE SURVEYS LIMITED [GB]
• [X] EP 1116829 A2 20010718 - ABBEY PYNFORD HOLDINGS PLC [GB]
• [A] EP 0479263 A1 19920408 - ALTER HABITATIO [LI]
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CN111206631A

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

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