

Title (en)  
Load cell for ground anchors

Title (de)  
Wägezelle für Erdanker

Title (fr)  
Cellule de chargement pour poteaux d'ancrage

Publication  
**EP 1980712 A1 20081015 (EN)**

Application  
**EP 07007601 A 20070413**

Priority  
EP 07007601 A 20070413

Abstract (en)  
There is provided a load cell for monitoring the residual forces in a pre-stressed soil and rock anchor, including a locking body having one hole through which a tensioning element passes, and an electronic bridge circuit containing strain-responsive elements affixed to the circumference of the locking body. The elements are oriented to detect changes in axial and circumferential dimensions of the locking body caused by changes in the residual forces of the soil and rock anchor,

IPC 8 full level  
**E21D 21/02** (2006.01)

CPC (source: EP)  
**E02D 5/801** (2013.01); **E02D 5/805** (2013.01); **E02D 33/00** (2013.01); **E21D 21/02** (2013.01)

Citation (search report)

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

Designated extension state (EPC)  
AL BA HR MK RS

DOCDB simple family (publication)  
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