

Title (en)  
STRUCTURE OF PERMANENT ANCHOR

Title (de)  
STRUKTUR EINES PERMANENTEN ANKERS

Title (fr)  
STRUCTURE D'ANCRE PERMANENTE

Publication  
**EP 3135821 B1 20180307 (EN)**

Application  
**EP 16181767 A 20160728**

Priority  
KR 20150120631 A 20150827

Abstract (en)  
[origin: EP3135821A1] The present disclosure relates to a permanent anchor used for suppression of a collapse of cut slopes in a rock or ground cutting area or suppression of a collapse of excavation walls during engineering works and more particularly, to a permanent anchor including a steel wire fixing part (10) for fixing and coupling tension members (110) and an anchoring head part (20) to be expanded and unfolded by a grout injection pressure. The anchoring head part (20) is configured to be coupled to a lower end of the steel wire fixing part (10), and includes a fluid (50) operating by the grout injection pressure and a plurality of anchor wings (60,60') configured to be expanded and unfolded by a pressure applied by the fluid.

IPC 8 full level  
**E02D 5/80** (2006.01)

CPC (source: CN EP)  
**E02D 5/74** (2013.01 - CN); **E02D 5/76** (2013.01 - CN); **E02D 5/803** (2013.01 - EP); **E02D 2600/30** (2013.01 - CN)

Cited by  
CN113481982A

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DOCDB simple family (publication)  
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**EP 16181767 A 20160728**; CN 201610607442 A 20160727; KR 20150120631 A 20150827; KR 2016007360 W 20160707; TR 201807752 T 20160728