

Title (en)
SUPPORTING DEVICE FOR STABILISING UNDERGROUND CAVITIES, PARTICULARLY TUNNELS, AS WELL AS MINING OPENINGS

Title (de)
STÜTZVORRICHTUNG ZUR STABILISIERUNG VON UNTERIRDISCHEN HOHLRÄUMEN, INSBESONDERE TUNNELN, SOWIE BERGBAUÖFFNUNGEN

Title (fr)
DISPOSITIF DE SUPPORT POUR LA STABILISATION DE CAVITÉS SOUTERRAINES, EN PARTICULIER DES TUNNELS, AINSI QUE DES OUVERTURES D'EXPLOITATION MINIÈRE

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Application
EP 18161850 A 20180314

Priority
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Abstract (en)
The invention relates to a supporting device (1) for stabilizing underground cavities (4), especially tunnels, having at least a first supporting beam (1) and at least one compression body (7). The compression body (7) is arranged such that the supporting beam (2) is able to move under load wherein the compression body (7) is made of a material with high strength and great permanent deformation ability.

IPC 8 full level
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CPC (source: EP)
E21D 11/05 (2013.01); **E21D 11/18** (2013.01); **E21D 11/30** (2013.01)

Citation (applicant)
HOEK, E.; GUEVARA, R., OVERCOMING SQUEEZING IN THE YACAMBU-QUIBOR TUNNEL, ROCK MECHANICS AND ROCK ENGINEERING, vol. 42, no. 2, pages 389 - 418

Citation (search report)

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CN113073993A

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

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BA ME

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