

Title (en)

SUPPORT STRUCTURE FOR A DYNAMIC ROCKFALL BARRIER

Title (de)

TRÄGERSTRUKTUR FÜR EINE DYNAMISCHE STEINSCHLAGBARRIERE

Title (fr)

STRUCTURE DE SUPPORT POUR UNE BARRIÈRE DYNAMIQUE CONTRE LA CHUTE DE PIERRES

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Application

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Priority

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Abstract (en)

[origin: EP3550077A1] The invention relates to a support structure suitable to be used within a dynamic rockfall barrier, the barrier comprising interception means (2) receiving the impact from occasional or frequent rockfall, shallow landslide or debris flow. The barriers deforms and transmits the stress to the ground whereby a plurality of cables (5) supporting the interception means (2) and transmitting the stresses generated onto the interception means (2) to the ground are used. The claimed support structure comprises a plurality of posts (3) each one directly fixed to the ground by means of a single anchorage bar (4) arranged aligned. The posts (3) have a tubular shape and are joined to the anchorage bars (4) uniquely by a connecting element (7) and a fastener (6) passing through one or more drills (7b) in the connecting element (7) and one or more drills (3a) in the post (3). The invention further relates to a falling rock barrier (1) structure comprising a support structure as the one described.

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