Title (en)
ANCHORAGE ASSEMBLY

Title (de)
VERANKERUNGSVORRICHTUNG

Title (fr)
SYSTEME D'ANCRAGE

Publication
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Application
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Abstract (en)
[origin: WO9620319A1] The invention relates to anchorage assemblies and in particular to anchorage assemblies having a novel wedge arrangement, wedges for use with anchorage assemblies and an anchorage member. In order to improve wedge performance in an anchorage assembly, a wedge (21) is provided having both internally (24) and externally (25) relieved portions to give a nose area (26) which is tapered to a greater extent than the rest of the wedge (21). Under normal load conditions, the wedge (21) behaves like a short wedge having no nose relief and is highly efficient. However, under high load or load limit conditions, the nose portion (26) of the wedge (21) is arranged to deform plastically so that fretting of the stressing element (23) gripped by the wedge (21) does not occur. As well as the high performance wedge, an improved anchorage member for the anchorage assembly is provided, the anchorage member having a number of steps (34-74). The provision of steps (34-74) in the anchorage member reduces the tendency for anchorage members to be drawn into prestressed concrete structures and reduces the bursting forces within such structures. The combination of an anchorage assembly having the improved wedge and improved anchorage member is a particularly effective and advantageous one.

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