

Title (en)

REINFORCEMENT FOR BUILDING ELEMENTS UNDER TENSION AND INSTALLATIONS PROVIDED THEREWITH

Title (de)

ARMIERUNG FÜR ZUGBELASTETE BAUTEILE UND DAMIT VERSEHENE ANLAGEN

Title (fr)

ARMATURE POUR ELEMENTS DE CONSTRUCTION SOUMIS A UN EFFORT DE TRACTION ET INSTALLATIONS POURVUES DE CETTE ARMATURE

Publication

**EP 0739438 A1 19961030 (DE)**

Application

**EP 94920393 A 19940707**

Priority

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- DE 9400788 W 19940707

Abstract (en)

[origin: DE4423419A1] Non-destructive testing of the integrity of reinforcements in building and construction parts such as bridges, tunnels, concrete ceilings, conveyor belts etc. by magnetic-field measurements is considerably improved if the reinforcements are already magnetised or exist in the magnetised state before their incorporation. Magnetisation carried out to saturation, of which the remanent magnetisation remains after removal of the magnetising field, is particularly expedient. The magnetisation is preferably carried out "in situ" on the construction site with the aid of a device which comprises a magnetising coil having a power supply unit for adjustable power supply and holding or guide elements for passage of the prestressing elements through the coil.

IPC 1-7

**E04C 5/08**; E04C 5/00; E04G 21/12; G01N 27/82

IPC 8 full level

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CPC (source: EP US)

**E04C 5/01** (2013.01 - EP US); **E04C 5/08** (2013.01 - EP US); **E04G 21/12** (2013.01 - EP US); **G01N 27/82** (2013.01 - EP US)

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