

Title (en)

Apparatus for cutting up fibre string into fibre cuts and dosing the latter into a concrete mixture

Title (de)

Vorrichtung zum Schneiden eines Faserstranges in Faserstücke und Dosieren der letzteren in eine Betonmischung

Title (fr)

Installation pour la coupe du fil continu en fibres coupées et dosant les dernières dans un mélange béton

Publication

EP 0499572 B1 19971008 (EN)

Application

EP 92610009 A 19920211

Priority

DK 23491 A 19910212

Abstract (en)

[origin: EP0499572A1] A method and an apparatus for adding to a concrete mixer a desired quantity of fibre cut e.g. of plastic. The apparatus comprises a concrete mixer (5), a magazine (16) for storing a number of spools (15) with fibre string (12), and a cutter (9) for advancing during the dry mixing the fibre string and cutting it into predetermined lengths which are fed to the concrete mixture in an even and uniform flow. The apparatus also comprises at least one sensor (20) for sensing the feeding speed of the fibre string and giving off signal to a control unit (not shown) which again controls the feeding speed. By way of the invention it is possible to achieve a far more even and more uniform distribution of the plastic fibres in the finished concrete than known before, whereby the material improving properties of the plastic fibres are optimally exploited. <IMAGE>

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CPC (source: EP)

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Cited by

US7563017B1; FR2866264A1; US6971784B1; AT524739A1; US6283327B1; WO9509723A1; WO2005018896A1; WO2005077763A1; US8322600B2; US7674511B2; US6550362B1; US6945686B2; US7001657B2

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