

Title (en)

METHOD AND DEVICE FOR PRODUCING CARBON LONG-FIBER-REINFORCED CONCRETE MEMBERS

Title (de)

VERFAHREN UND VORRICHTUNG ZUM HERSTELLEN VON KOHLENSTOFFLANGFASERVERSTÄRKTEN BETONTEILEN

Title (fr)

PROCEDE ET DISPOSITIF DE PRODUCTION D'ELEMENTS EN BETON RENFORCE PAR DES FIBRES DE CARBONE LONGUES

Publication

EP 1287957 A4 20050330 (EN)

Application

EP 01901485 A 20010122

Priority

- JP 0100374 W 20010122
- JP 2000069105 A 20000313

Abstract (en)

[origin: EP1287957A1] Long carbon fibers f0 are stretched between a couple of anchor-installing bases 40L, 40R. Continuous carbon fibers f are drawn out of a reel 34 on a carrier 30 and helically wound around the stretched long carbon fibers f0, by combination of rotation of the stands 40L, 40R with unidirectional travel of the base 30. A reinforcing element composed of the long carbon fibers f0 and the continuous carbon fibers f is set in a molding box 60, and fresh concrete is cast from a tank 62 in the molding box 60. Since the stretched reinforcing element is embedded in cured concrete, a fabricated concrete member is very strong with high reliability on quality and performance. <IMAGE>

IPC 1-7

B28B 23/06; **E04C 3/20**; **B28B 23/14**; **B23B 23/04**

IPC 8 full level

B28B 23/02 (2006.01); **B28B 23/04** (2006.01); **B28B 23/06** (2006.01); **B28B 23/14** (2006.01); **E04C 3/20** (2006.01); **E04C 5/07** (2006.01)

CPC (source: EP KR)

B28B 23/026 (2013.01 - EP); **B28B 23/043** (2013.01 - EP); **B28B 23/06** (2013.01 - EP); **B28B 23/14** (2013.01 - EP); **E04C 3/20** (2013.01 - EP); **E04C 5/00** (2013.01 - KR); **E04C 5/07** (2013.01 - EP)

Citation (search report)

- [X] PATENT ABSTRACTS OF JAPAN vol. 018, no. 302 (M - 1618) 9 June 1994 (1994-06-09)
- [A] PATENT ABSTRACTS OF JAPAN vol. 017, no. 133 (M - 1383) 19 March 1993 (1993-03-19)
- See references of WO 0168333A1

Cited by

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