

Title (en)

RIBBED CONCRETE REINFORCEMENT WITH COLD-ROLLED DIAGONAL RIBS AND ITS USE

Publication

**EP 0451798 A3 19921202 (DE)**

Application

**EP 91105623 A 19910409**

Priority

DE 4011486 A 19900409

Abstract (en)

[origin: EP0451798A2] In a ribbed concrete reinforcement which has a carbon content of 0.05 to 0.24% by weight and a manganese content of 0.2 to 1.2% by weight and which has cold-rolled diagonal ribs arranged in the form of at least two rows of ribs extending in the direction of the longitudinal axis of the rods without a longitudinal rib being formed, the uniform elongation, the yield point ratio and the composite are formed by the rib geometry in such a way that it can be used either in linear dimensioning or in nonlinear dimensioning methods.

IPC 1-7

**E04C 5/03**

IPC 8 full level

**E04C 5/03** (2006.01)

CPC (source: EP)

**E04C 5/03** (2013.01)

Citation (search report)

- [A] EP 0306887 A1 19890315 - DYCKERHOFF & WIDMANN AG, et al
- [A] FR 2315589 A1 19770121 - KOBE STEEL LTD [JP]
- [A] DE 1609638 A1 19700730 - FILITON AG
- [A] DE 2231354 A1 19740110 - MOOSSCHE EISENWERKE AG
- [A] DE 2622524 A1 19771124 - JANOVIC KASSIAN ANTON DIPL ING, et al
- [A] DE 2821902 A1 19791122 - DYCKERHOFF & WIDMANN AG

Cited by

US5889411A; EP1231331A3; US6107827A; US5907248A; US5914616A; US5920202A; US6051992A; US6124731A; EP2025826A1; FR2919639A1; US6201410B1; US6204689B1; US6204690B1; US6292022B2; US6448808B2

Designated contracting state (EPC)

AT BE CH DE DK FR GB IT LI LU NL SE

DOCDB simple family (publication)

**EP 0451798 A2 19911016; EP 0451798 A3 19921202; EP 0451798 B1 19950927;** AT E128507 T1 19951015; DE 4011486 A1 19911010; DE 59106565 D1 19951102; DK 0451798 T3 19960115

DOCDB simple family (application)

**EP 91105623 A 19910409;** AT 91105623 T 19910409; DE 4011486 A 19900409; DE 59106565 T 19910409; DK 91105623 T 19910409