

Title (en)
STEEL FOR FRACTURE SPLIT CONNECTING RODS

Title (de)
STAHL FÜR BRUCHGESPALTENE VERBINDUNGSSTÄBE

Title (fr)
ACIER POUR BIELLES FRACTIONNÉES DE TYPE FS

Publication
EP 2216423 A1 20100811 (EN)

Application
EP 08858217 A 20081128

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• JP 2007312523 A 20071203

Abstract (en)
The present invention provides a steel for a fracture splitting type connecting rod, in which: the steel contains C: 0.25 - 0.5% (in mass %, the same is applied hereunder), Si: 0.01 - 2.0%, Mn: 0.50 - 2.0%, P: 0.015 - 0.080%, S: 0.01 - 0.2%, V: 0.02 - 0.20%, Cr: 0.05 - 1.0%, Ti: 0.01 - 0.10%, and N: 0.01% or less; an f-value represented by the expression shown below is in the range of 0.003 to 0.04; and the average aspect ratio of sulfide system inclusions is 15 or less, $f = \text{Ti} - \text{N} \times 48 / 14$ (in the expression, [Ti] and [N] represent the contents (mass %) of Ti and N in a steel, respectively).

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C22C 38/24 (2013.01 - EP KR US); **C22C 38/28** (2013.01 - EP KR US); **C22C 38/38** (2013.01 - EP KR US)

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