

(19)



Europäisches Patentamt

European Patent Office

Office européen des brevets



(11)

EP 0 703 316 A3

(12)

EUROPEAN PATENT APPLICATION

(88) Date of publication A3:
29.01.1997 Bulletin 1997/05

(51) Int. Cl.⁶: **E01B 5/02**

(43) Date of publication A2:
27.03.1996 Bulletin 1996/13

(21) Application number: **95109679.1**

(22) Date of filing: **22.06.1995**

(84) Designated Contracting States:
AT CH DE FR GB IT LI LU SE

(30) Priority: **22.06.1994 RO 107894**

(71) Applicant: **Radulescu, Stefan**
Palo Alto, CA 94306 (US)

(72) Inventor: **Radulescu, Stefan**
Palo Alto, CA 94306 (US)

(74) Representative: **Hauck, Hans, Dipl.-Ing.**
Patentanwälte
Hauck, Graalfs, Wehnert,
Döring, Siemons,
Mozartstrasse 23
80336 München (DE)

(54) **Railway rails**

(57) The disclosure relates to heavy-masse railway rails in which an increased fatigue resistance is achieved by increasing the moment of inertia of cross-section of rail and by increasing the ratio of fatigue loading, a sub-unity ratio given by the specific moments of fatigue of the two portions of cross-section of rail defined by the horizontal neutral axis of cross-section of rail, or by the squares of normal unity fatigue stresses, which are maximum at the two vertical extremities of cross-section of rail.

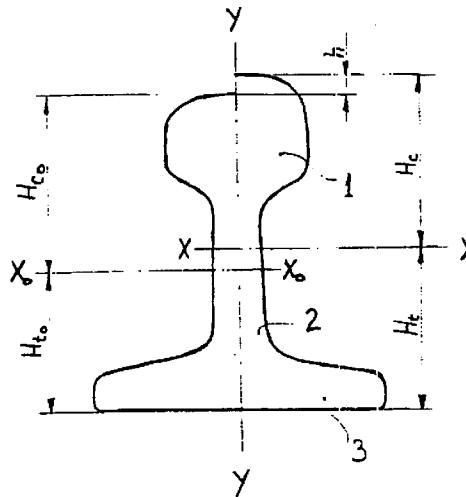


FIG. 1

EP 0 703 316 A3



European Patent
Office

EUROPEAN SEARCH REPORT

Application Number
EP 95 10 9679

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.6)
A	ESVELD: "Modern Railway Track" 1989 , MRT PRODUCTIONS , DUISBURG (DE) XP002019734 166260 * page 150 - page 151 * -----	1,2	E01B5/02
			TECHNICAL FIELDS SEARCHED (Int.Cl.6)
			E01B
The present search report has been drawn up for all claims			
Place of search		Date of completion of the search	Examiner
THE HAGUE		28 November 1996	Blommaert, S
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			

EPO FORM 1503 03.82 (P04C01)