

(19)



Europäisches Patentamt
European Patent Office
Office européen des brevets



(11)

EP 1 564 345 A3

(12)

EUROPEAN PATENT APPLICATION

(88) Date of publication A3:
24.05.2006 Bulletin 2006/21

(51) Int Cl.:
E04G 21/32 (2006.01)

(43) Date of publication A2:
17.08.2005 Bulletin 2005/33

(21) Application number: **04380189.3**

(22) Date of filing: **24.09.2004**

(84) Designated Contracting States:
**AT BE BG CH CY CZ DE DK EE ES FI FR GB GR
HU IE IT LI LU MC NL PL PT RO SE SI SK TR**
Designated Extension States:
AL HR LT LV MK

(72) Inventor: **Mesaguer Matamoros, Alvaro**
43870 Amposta,
Tarragona (ES)

(74) Representative: **Carpintero Lopez, Francisco**
Herrero & Asociados, S.L.,
Alcalá, 35
28014 Madrid (ES)

(30) Priority: **13.02.2004 ES 200400317 U**

(71) Applicant: **Mesaguer Matamoros, Alvaro**
43870 Amposta,
Tarragona (ES)

(54) Provisional railing

(57) Provisional railing for installation in any formwork during the construction of buildings, especially during the construction of the staircases, which constitutes a safety element which prevents persons moving about in the vicinity from falling into empty space or onto floors below. The provisional railing consists of some supports

(2) which permit the fastening of some vertical tubular stanchions (3), these vertical stanchions (3) being the bearers of the horizontal protection elements (4). The supports are fastened to the external vertical plane of the formwork, facilitating the construction work and even the finishing of the surfaces delimited by said railing.

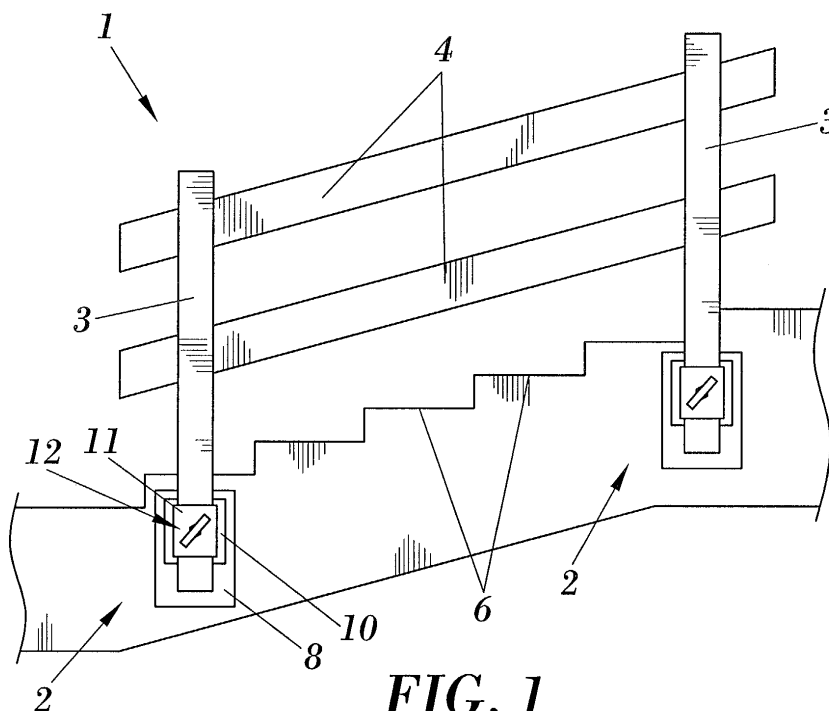


FIG. 1

EP 1 564 345 A3



DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
X	EP 1 209 304 A (WILHELM LAYHER VERMOEGENSVERWALTUNGS-GMBH) 29 May 2002 (2002-05-29) * paragraph [0019] * * claim 3 * * figures *	1,4	INV. E04G21/32
Y		2,3,5	
A		11,12	
X	DE 296 09 372 U1 (COMBISAFE INTERNATIONAL AB, OESTERSUND, SE) 14 August 1996 (1996-08-14) * page 5, paragraph 3 * * figures *	1	
Y		2,3,5	
A		11,12	
A	FR 2 666 610 A (OUEST ETANCHEITE) 13 March 1992 (1992-03-13) * figure 3 *	4	
A	US 5 456 451 A (EYLER, JR. ET AL) 10 October 1995 (1995-10-10) * figure 3 *	12	TECHNICAL FIELDS SEARCHED (IPC) E04G
A	US 5 314 167 A (HOLLOMAN ET AL) 24 May 1994 (1994-05-24) * figure 2 *	12	
A	FR 2 761 096 A (LILLE FRANCIS) 25 September 1998 (1998-09-25) * figures 1,2 *	1-5	
The present search report has been drawn up for all claims			
Place of search The Hague		Date of completion of the search 19 January 2006	Examiner Andlauer, D
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			

**CLAIMS INCURRING FEES**

The present European patent application comprised at the time of filing more than ten claims.

- ☐ Only part of the claims have been paid within the prescribed time limit. The present European search report has been drawn up for the first ten claims and for those claims for which claims fees have been paid, namely claim(s):
- ☐ No claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for the first ten claims.

LACK OF UNITY OF INVENTION

The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

see sheet B

- ☐ All further search fees have been paid within the fixed time limit. The present European search report has been drawn up for all claims.
- ☐ As all searchable claims could be searched without effort justifying an additional fee, the Search Division did not invite payment of any additional fee.
- ☐ Only part of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the inventions in respect of which search fees have been paid, namely claims:
- ☒ None of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the invention first mentioned in the claims, namely claims:
- Claims 1-5, 9; 10-12 when dependent on 2 or 5



The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

1. claims: Claims 1-5, 9; 10-12 when dependent on 2 or 5

railing with an anchoring system between stanchion and support

1.1. claims: 11 when independent of claims 2, 5 or 6

railing with a tube between the positioning element of the horizontal protection elements and the stanchion

1.2. claims: 12 when independent of claims 2, 5, 6 or 11

railing with a toe-board

2. claims: 1, 6-8; 10-12 when dependent on 6

railing with an alternative anchorage of the support

Please note that all inventions mentioned under item 1, although not necessarily linked by a common inventive concept, could be searched without effort justifying an additional fee.

**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

EP 04 38 0189

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on
The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

19-01-2006

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
EP 1209304	A	29-05-2002	DE 10144217 A1	25-07-2002
DE 29609372	U1	14-08-1996	NONE	
FR 2666610	A	13-03-1992	NONE	
US 5456451	A	10-10-1995	NONE	
US 5314167	A	24-05-1994	NONE	
FR 2761096	A	25-09-1998	NONE	