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(54) **Facade scaffolding**

(57) The facade scaffolding (1) comprises a plurality of dismantlable portals (10,12) and non-dismantlable rectangular frameworks (2',2''), in an arrangement transverse to the plane of the facade and linked to one another by means of horizontal and diagonal bars, by way of safety coupling devices (27,28,29,30), not spontaneously dismantlable, which portal (10,12) and frameworks (2',2'') directly support passage platforms (4,4',4'') and likewise support at one or other of the outer or inner sides of the frameworks (2',2''), vertically adjustable brackets (5,6) carrying other service platforms (7,8), which platforms (7,8) carry fixed base plates on at least one of their edges, the vertical members (47,48) of frameworks bounding facade openings being associated by means of girders (72) mounted directly thereon.

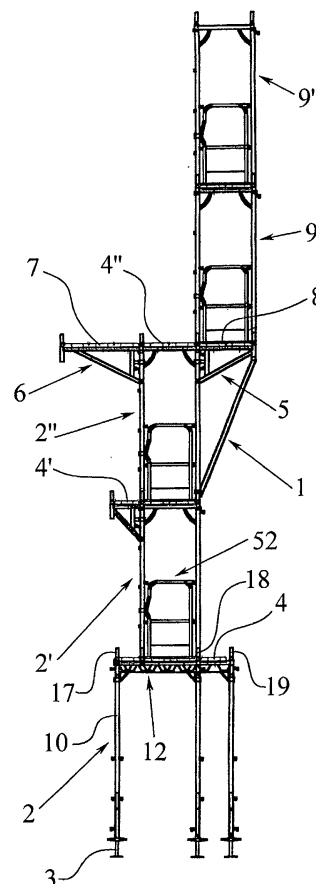


FIG. 2



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EUROPEAN SEARCH REPORT

Application Number
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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.7)
Y	LAYHER: "Allgemeine Bauaufsichtliche Zulassung Z-8.1-16.2 Anlage C Aufbau- und Verwendungsanleitung Layher Blitz Gerüst System 70 Stahl" 2 February 1998 (1998-02-02), DEUTSCHES INSTITUT FÜR BAUTECHNIK, BERLIN XP002257714 * page 1 - page 68 * * page 61 - page 65 * * paragraph '02.4! * * paragraph '02.5! * * paragraph '05.4! * * figures 17,22 *	1-3,6,9	E04G1/14 E04G1/15 E04G5/06 E04G1/26 E04G7/30
A	----	4	
Y	DE 195 27 235 A (GALLEY DIETMAR) 30 January 1997 (1997-01-30) * figures 1-8 *	1-3,6,9	
Y	EP 0 995 860 A (ULMA C Y E S COOP) 26 April 2000 (2000-04-26) * figures *	1-3,6,9	
A	CH 675 610 A (LAYHER EBERHARD) 15 October 1990 (1990-10-15) * column 5, line 38 - line 62 * * figures *	1-3	TECHNICAL FIELDS SEARCHED (Int.Cl.7) E04G
A	EP 0 918 912 A (PERI GMBH) 2 June 1999 (1999-06-02) * figures *	1-4	
A	FR 1 376 804 A (KWIKFORM LTD) 31 October 1964 (1964-10-31) * figures 1,8 *	4	
	-/--		
The present search report has been drawn up for all claims			
Place of search	Date of completion of the search	Examiner	
THE HAGUE	28 January 2004	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	

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Office

EUROPEAN SEARCH REPORT

Application Number
EP 02 38 0022

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.7)
A	US 2 126 844 A (UECKER REINHOLD A ET AL) 16 August 1938 (1938-08-16) * figures 6,7,9 *	5,10,11	
A	--- PATENT ABSTRACTS OF JAPAN vol. 0153, no. 86 (M-1163), 30 September 1991 (1991-09-30) -& JP 03 156065 A (SUMIKIN KOZAI KOGYO KK), 4 July 1991 (1991-07-04) * abstract; figures *	5,10,11	
A	--- FR 2 485 598 A (FAP FABRICA ATTREZZATURE PREFAB) 31 December 1981 (1981-12-31) * figures *	7,8	
A	--- FR 2 501 267 A (ENTREPOSE) 10 September 1982 (1982-09-10) * figure 6 *	7,8	
The present search report has been drawn up for all claims			TECHNICAL FIELDS SEARCHED (Int.Cl.7)
Place of search		Date of completion of the search	Examiner
THE HAGUE		28 January 2004	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	

EPO FORM 1505 03/02 (P/04001)



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:



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: 1-4,6,9

Alternative connection of the brackets to the frameworks

2. Claims: 1,2,5

Connection of the girders to the portals

3. Claims: 1,7,8

Alternative structure and overturn-prevention system of the service platform

4. Claims: 1,10,11

Alternative connection of the girders to the frameworks

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

EP 02 38 0022

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.

28-01-2004

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
DE 19527235	A	30-01-1997	DE 19527235 A1	30-01-1997
EP 0995860	A	26-04-2000	WO 9958787 A1	18-11-1999
			AU 7044798 A	29-11-1999
			BR 9810578 A	19-09-2000
			EP 0995860 A1	26-04-2000
			US 2002053486 A1	09-05-2002
CH 675610	A	15-10-1990	DE 3611431 A1	08-10-1987
			CH 675610 A5	15-10-1990
EP 0918912	A	02-06-1999	DE 19633092 A1	19-02-1998
			AT 192819 T	15-05-2000
			AU 723378 B2	24-08-2000
			AU 4116497 A	06-03-1998
			BR 9711314 A	18-01-2000
			DE 59701662 D1	15-06-2000
			WO 9807934 A1	26-02-1998
			EP 0918912 A1	02-06-1999
			ES 2145630 T3	01-07-2000
			JP 2000516310 T	05-12-2000
			PL 331630 A1	02-08-1999
			PT 918912 T	31-10-2000
			TR 9900327 T2	21-07-1999
			US 2002092707 A1	18-07-2002
			US 6422345 B1	23-07-2002
FR 1376804	A	31-10-1964	NONE	
US 2126844	A	16-08-1938	NONE	
JP 03156065	A	04-07-1991	JP 8033074 B	29-03-1996
FR 2485598	A	31-12-1981	AT 375714 B	10-09-1984
			AT 286281 A	15-01-1984
			DE 8118239 U1	22-10-1981
			ES 259137 U	16-01-1982
			FR 2485598 A3	31-12-1981
FR 2501267	A	10-09-1982	FR 2501267 A1	10-09-1982

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For more details about this annex : see Official Journal of the European Patent Office, No. 12/82