



(12) **EUROPEAN PATENT APPLICATION**

(88) Date of publication A3:
25.05.2016 Bulletin 2016/21

(51) Int Cl.:
E04B 5/02 (2006.01) **E03F 5/04 (2006.01)**
E04H 6/08 (2006.01)

(43) Date of publication A2:
01.05.2013 Bulletin 2013/18

(21) Application number: **12250165.3**

(22) Date of filing: **26.10.2012**

(84) Designated Contracting States:
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR
Designated Extension States:
BA ME

(71) Applicant: **Bourne Engineering Limited**
Poole
BH 12 4GP (GB)

(72) Inventor: **Pope, David William Frederick**
Poole, BH12 4GP (GB)

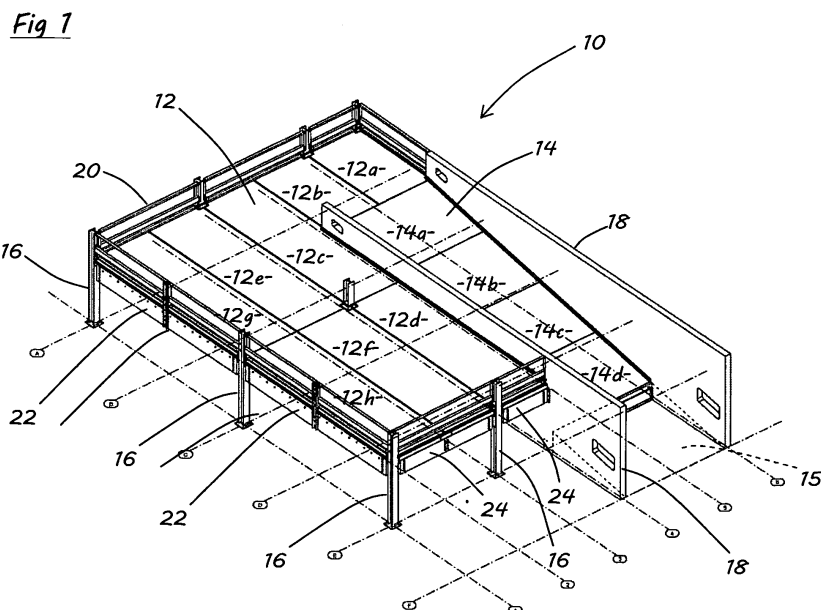
(30) Priority: **28.10.2011 GB 201118746**

(74) Representative: **Harkness, Katherine Joy et al**
Atkinson Wheller Ltd
29 Great George Street
Bristol BS1 5QT (GB)

(54) **A building with built-in drainage**

(57) A multi-storey car park building (10) on a rectangular grid has an elevated floor (12) accessed by a ramp (14). The floor (12) comprises a plurality of rectangular flooring panels (12a to 12h) carried on columns (16) positioned at selected intersections of the grid lines. The panels (12a to 12h) are secured to longitudinal and lateral glulam beams (22, 24) extending between and secured to the columns (16). The panels (12a to 12h) are laid (and appropriately dimensioned) with gaps between them both longitudinally and laterally to allow rain or other liquid

to drain from the floor (12), and drains extend both longitudinally and laterally along and under each gap to carry this liquid away. The longitudinal and lateral drains are respectively carried by the longitudinal and lateral beams (22, 24) to extend along and under the gaps between the flooring panels, below and not secured to the flooring panels. The building may be constructed from a modular construction system and extended in modular fashion horizontally and vertically.





EUROPEAN SEARCH REPORT

Application Number
EP 12 25 0165

5

10

15

20

25

30

35

40

45

50

55

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,D	JP 2009 030345 A (NIPPON RITTAI CHUSHAJO KAIHATS) 12 February 2009 (2009-02-12) * paragraphs [0004], [0006], [0007], [0054]; figures 1-4, 15, 19, 20 *	1-3,7-14	INV. E04B5/02 E03F5/04 E04H6/08
A	-----	4-6	
X	JP H11 293943 A (KITA NIPPON BOILER KK; KITAGAWA IRON WORKS CO) 26 October 1999 (1999-10-26) * paragraphs [0001], [0012] - [0014]; figures 1-4 *	1-3,7-14	
			TECHNICAL FIELDS SEARCHED (IPC)
			E04B E04H E03C
The present search report has been drawn up for all claims			
Place of search		Date of completion of the search	Examiner
Munich		14 April 2016	Decker, Robert
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)

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

EP 12 25 0165

5 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.

14-04-2016

10	Patent document cited in search report	Publication date	Patent family member(s)	Publication date
	JP 2009030345 A	12-02-2009	NONE	

15	JP H11293943 A	26-10-1999	NONE	

20				
25				
30				
35				
40				
45				
50				
55				

EPO FORM P0459

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