



(12) **EUROPEAN PATENT APPLICATION**

(88) Date of publication A3:  
**27.04.2016 Bulletin 2016/17**

(51) Int Cl.:  
**E04F 15/04** <sup>(2006.01)</sup> **E04F 15/02** <sup>(2006.01)</sup>  
**E04F 15/10** <sup>(2006.01)</sup>

(43) Date of publication A2:  
**26.01.2011 Bulletin 2011/04**

(21) Application number: **10164458.1**

(22) Date of filing: **31.05.2010**

(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 SE SI SK SM TR**  
 Designated Extension States:  
**BA ME RS**

(71) Applicant: **Drewex Sp.J. Adam, Czeslaw i Piotr Chojnowscy**  
**05-250 Radzymin (PL)**

(72) Inventor: **Chojnowski, Adam**  
**05-200, Wołomin (PL)**

(30) Priority: **02.06.2009 PL 38817209**

(74) Representative: **Gizinska-Schohe, Malgorzata**  
**European Patent Attorney**  
**Helmpertstrasse 11a**  
**80687 München (DE)**

(27) Previously filed application:  
**02.06.2009 PL 38817209**

(54) **Modular system with connector for fixing wooden floor boards on joists**

(57) Object of the invention is an assembling connector including a frame reinforced with ribbing, for fixing longitudinal finishing elements, having on side walls appropriate concave shaped elements integrated with catches located on the connector, **characterised in that** it is equipped:

- at the side of finishing elements with parallel protrusions 2 and 2' located on edges of the frame 1 perpendicularly to its surface, the protrusion 2 being terminated with a hooked catch 3, and the protrusion 2' with a perpendicular catch 4,

- at the side of carrying elements with parallel protrusions 13 and 13', also perpendicular to the surface of frame 1, the protrusion 13 being terminated with a hooked catch 14, and the protrusion 13' - with a perpendicular catch 15, the protrusions 13 and 13' and catches 14 and 15 being integrated with the carrying elements exhibiting appropriate concave shaped elements on side walls.  
 - with distance protrusions 5 located on a side wall of the frame 1.

Object of the invention is also a modular system implemented by means of the connectors.

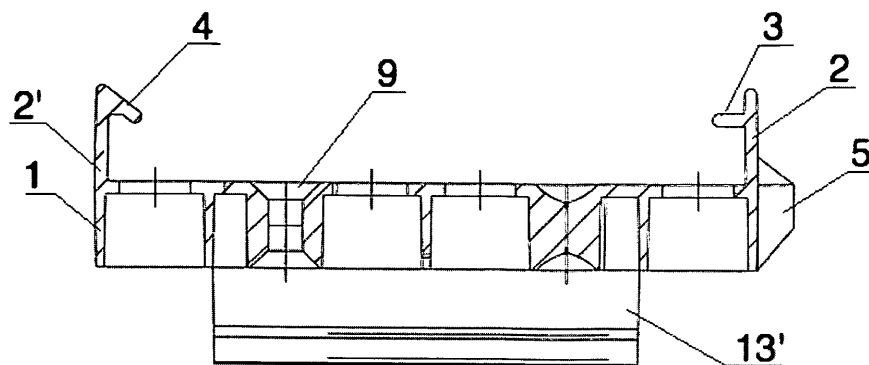


Fig. 4



EUROPEAN SEARCH REPORT

Application Number  
EP 10 16 4458

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)
Y	EP 1 771 630 A1 (IOVENE GIOVANNI [IT]) 11 April 2007 (2007-04-11) * figures 1,2,5,7 * * paragraph [0001] * * paragraph [0004] - paragraph [0006] * * paragraph [0009] - paragraph [0011] * * paragraph [0013] * * paragraph [0016] *	1-11	INV. E04F15/04 E04F15/02 E04F15/10
Y	EP 1 990 480 A2 (PRATI GROUP S P A [IT]) 12 November 2008 (2008-11-12) * figures 1-3 * * paragraph [0012] * * paragraph [0014] *	1-11	
Y	EP 1 614 806 A1 (CONRADI & KAISER GMBH [DE]) 11 January 2006 (2006-01-11) * figures 1,2 * * paragraph [0014] - paragraph [0016] *	4,9	
Y	US 5 394 667 A (NYSTROM RON [US]) 7 March 1995 (1995-03-07) * figures 10,12 * * column 2, line 48 - line 59 * * column 5, line 8 - line 14 *	1-11	TECHNICAL FIELDS SEARCHED (IPC) E04F F04F
The present search report has been drawn up for all claims			
Place of search Munich		Date of completion of the search 15 March 2016	Examiner Estorgues, Marlène
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 03/02 (P04/C01)

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

EP 10 16 4458

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.

15-03-2016

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
EP 1771630	A1	11-04-2007	AT 440191 T 15-09-2009
			DK 1771630 T3 14-12-2009
			EP 1771630 A1 11-04-2007
			ES 2331084 T3 21-12-2009
			JP 2008508451 A 21-03-2008
			PT 1771630 E 23-10-2009
			WO 2006011173 A1 02-02-2006
EP 1990480	A2	12-11-2008	EP 1990480 A2 12-11-2008
			ES 1066929 U 01-04-2008
EP 1614806	A1	11-01-2006	DE 102004032783 A1 16-02-2006
			EP 1614806 A1 11-01-2006
US 5394667	A	07-03-1995	NONE