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(71) Applicant: **Daeha Co., Ltd**
Gyeongsangbuk-do (KR)

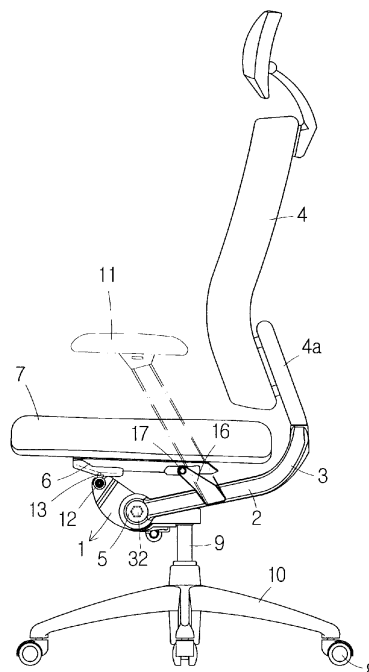
(72) Inventor: **Kim, Hyung Deuk**
Daegu (KR)

(74) Representative: **Petzold, Silke**
R.G.C. Jenkins & Co
26 Caxton Street
London SW1H 0RJ (GB)

(54) **Multi-functional chair assembly**

(57) Disclosed is a multi-functional chair assembly (1) which includes a seat plate (7) capable of being forwardly tilted in accordance with the figure of the user or the working environment where the chair assembly (1) is used, and a back plate (4) having a subdivided-multi-stage locking function and a tilt limiting function. The chair assembly (1) includes a tilting limiter (28) for limiting a free tilting angle of the back plate (4), a multi-stage locker (29) for locking a tilting state of the back plate (4), an elasticity adjuster (30) for adjusting a tilting strength of the back plate (4), a seat plate tilter (31) for forwardly tilting the seat plate (7), and a vertical level adjuster (19) for adjusting a vertical level of the seat plate (7). The chair assembly (1) is configured to be simply and conveniently manipulated using cables, thereby achieving convenience in use and comfort.

Fig. 1





EUROPEAN SEARCH REPORT

Application Number
EP 11 18 1134

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	WO 2006/094259 A2 (HAWORTH INC [US]; ROSLUND RICHARD N [US]; RUTMAN MATTHEW [US]; GUNDARA) 8 September 2006 (2006-09-08)	1-3,5	INV. A47C1/026 A47C1/032
Y	* paragraphs [0070], [0072], [0078], [0082], [0084], [0085]; claims 1,10;	7	
A	figures 3,4,11,12,17,20,22,28,29,63 * -----	4,6	
Y	EP 0 969 221 A1 (SUSPA COMPART AG [DE] SUSPA COMPART GMBH [DE]) 5 January 2000 (2000-01-05) * paragraph [0016]; claim 1; figures *	7	
X	WO 96/39897 A1 (MILLER HERMAN INC [US]) 19 December 1996 (1996-12-19) * page 15, line 22 - line 30; claims 1,2; figures 1,3,4,6,7 *	1	
A	US 2007/040433 A1 (HUANG CHIEN-KAI [TW]) 22 February 2007 (2007-02-22) * paragraph [0022]; figures 1,3,5,6 *	1,4	TECHNICAL FIELDS SEARCHED (IPC)
A	WO 2009/127863 A2 (SIMCLAR SEATING TECHNOLOGIES L [GB]; ROBERTS SIMON; JONES MARK) 22 October 2009 (2009-10-22) * page 13, paragraph 2 * * page 15, last paragraph * * page 8, paragraph 4; claims 17,28; figures 1,2,9 *	1	A47C
A	KR 100 619 601 B1 (KOASWELL CO LTD [KR]) 28 August 2006 (2006-08-28) * figures *	1	

The present search report has been drawn up for all claims			
Place of search The Hague		Date of completion of the search 30 March 2012	Examiner Amghar, Norddin
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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EPO FORM 1503 03.82 (P04C01)



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CLAIMS INCURRING FEES

The present European patent application comprised at the time of filing claims for which payment was due.

☐ Only part of the claims have been paid within the prescribed time limit. The present European search report has been drawn up for those claims for which no payment was due 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 those claims for which no payment was due.

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:

1-7

☐ The present supplementary 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 (Rule 164 (1) EPC).



**LACK OF UNITY OF INVENTION
SHEET B**

Application Number

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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: 1-7

A multi-functional chair assembly with a back plate, a seat plate and a multi-stage locker comprising, amongst others, a plurality of locking grooves.

2. claim: 8

A multi-functional chair assembly with a chair assembly body, a frame coupled to the chair assembly body, and a seat plate mounted to the frame comprising, amongst others, sliding members fitted in fitting grooves.

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

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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
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30-03-2012

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