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(54) **METHOD FOR TILTING A RECLINING CHAIR**

- (57) Method for tilting the moving backrest and extensible front parts of reclining chair comprises the steps of moving said backrest and said extensible front parts in a synchronized manner with each other so that when
- the backrest is lowered said extensible front parts open, and when said backrest is brought to the upright position said said extensible front parts close.

Description

[0001] The present invention concerns the field of reclining chairs with mobile parts which can be extended or opened and extended, thus allowing the users to lie down in a rest position.

[0002] In particular, present invention relates to a method for simultaneously tilting the backrests and extensible front parts of reclining chairs so as to allow comfortable and effective support of the users' legs and backs for all comfortable relaxing positions, not only during watching TV, reading books, or the so called "zero gravity" (i.e. totally opened position) but especially to reach every comfortable positions for the users.

[0003] The structural and functional characteristics of the present invention and its advantages over the known art will result even more clear and evident from the underlying claims, and in particular from an examination of the following description below.

[0004] The invention in object globally regards reclining armchair with mobile parts, such as headboard (backrest) and footboard which can be extended or opened, that is a chair having a movement mechanism designed and adapted to support and accompany the most needy person in everyday life, increasing known suitable positions (closed, TV, full relax etc.) and also with others aimed at a specific use/moment of the day of the users, such as "0 Gravity" position, "Lunch" position and the "Tilt" movement.

[0005] In details:

- the "0 Gravity" position further amplifies the comfort found in the "full relaxation" position. Furthermore, thanks to this further inclination that aligns the legs to the heart, blood circulation is also improved;
- the "Lunch" position, on the other hand, satisfies a specific need for the needy user which is to provide the right help in dealing with meal times, sitting at the table. An initial lifting of the upholstery parallel to the ground, followed by a 5° inclination of the structure allows the user to face meal times in complete safety and tranquility;
- the "Tilt" movement allows the user to swing the seat and backrest in a synchronized manner, deciding whether to bring the legs above the head or vice versa, "creating" infinite positions and providing maximum comfort. This line of products has among the options the electric trolley which, installed on the armchair, allows the latter to be moved with the person sitting; so you can easily transport it.

[0006] Therefore, according to invention in object, the method for tilting the backrest and extensible front parts (footboard) of reclining chair comprises the steps of moving said backrest and said extensible front parts in a synchronized manner with each other so that when the backrest is lowered the footboard opens (extends) and vice versa, that is, when the backrest is brought to the upright

position the footboard closes (retracts).

[0007] In such a way every comfortable positions for the users is reached rapidly and in a simple way.

[0008] Such simple way is reached by the users acting through a remote control button which activates cylinder piston or gas actuators or the like which in turn move known articulated quadrilateral movement mechanisms arranged internally to the structure of the chair.

Claims

1. Method for tilting the moving backrest and extensible front parts of reclining chair comprises the steps of moving said backrest and said extensible front parts in a synchronized manner with each other so that when the backrest is lowered said extensible front parts open and when said backrest is brought to the upright position said said extensible front parts close.
2. Method according to claim 1, **characterized in that** sync moving steps are realized by swinging said back rest and said extensible front parts in infinite positions between totally closed upright position of said chair and totally "zero gravity" open position.
3. Reclining chair suitable for realizing method according any previous claims, comprising cylinder piston or gas actuators or the like and movement mechanisms arranged internally to the structure of said chair.



EUROPEAN SEARCH REPORT

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DOCUMENTS CONSIDERED TO BE RELEVANT			
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			TECHNICAL FIELDS SEARCHED (IPC)
			A47C
The present search report has been drawn up for all claims			
Place of search The Hague		Date of completion of the search 6 February 2024	Examiner Kis, Pál
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ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.

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5 This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.
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For more details about this annex : see Official Journal of the European Patent Office, No. 12/82