

ORIGINAL

VEHICLE SEAT

Abstract Of The Invention

It is an object of the present invention to provide a vehicle seat that is constructed to tilt a seat main body such that a front side thereof can be raised, in which a seating position of the seat main body can be lowered.

The present invention provides a vehicle seat that is constructed to tilt a seat main body (40) such that a front side thereof can be raised, which may include a seat main body support portion (36) that supports the seat main body (40), a connection mechanism (50) that connects the seat main body (40) to the seat main body support portion (36), so as to tilt the seat main body (40) on the seat main body support portion (36) such that a front side thereof can be raised, and a drive mechanism (60) that is disposed between a protruded end portion (61) of the seat main body support portion (36) protruded horizontally with respect to the seat main body (40) and an outer surface of the seat main body (40) and is constructed to change a vertical distance between the protruded end portion (61) of the seat main body support portion (36) and the outer surface of the seat main body (40), so as to tilt the seat main body (40) such that the front side thereof can be raised.

WE CLAIM_:

1. A vehicle seat having a rotating table that is constructed to be horizontally rotatable, and an outer slide member that is positioned on the rotating table and is constructed to move the seat main body to a vehicle exterior via a door opening by sliding along the rotating table while supporting the seat main body thereon, comprising:

a connection mechanism that connects the seat main body to the outer slide member, so as to tilt the seat main body on the outer slide member such that a front side thereof can be raised, and

a drive mechanism that is disposed between a protruded end portion of the outer slide member protruded horizontally with respect to the seat main body and an outer surface of the seat main body and is constructed to change a vertical distance between the protruded end portion of the outer slide member and the outer surface of the seat main body, so as to tilt the seat main body such that the front side thereof can be raised,

wherein the connection mechanism is constructed to connect a longitudinally central portion of the seat main body to the outer slide member via a connection pin, so that the seat main body can be tilted such that the front side thereof can be raised when the seat main body rotates about the connection pin, and

wherein a screw shaft that is connected to one of the outer slide member and the seat main body and is vertically positioned, a motor for rotating the screw shaft, and a nut that is connected to the other of the outer slide member and the seat main body and threadably engages the screw shaft.

2. The vehicle seat according to claim 1, wherein when the rotating table horizontally rotates the seat main body from a vehicle forward-facing position, so that a front lowermost portion of the seat main body comes closer to a rocker that constitutes the door opening, the drive mechanism tilts the seat main body such that the front side of the seat main body can be raised, thereby allowing the front side lowermost portion of the seat main body to pass over the rocker.

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2009 DELNP 12

06 MAR 2012

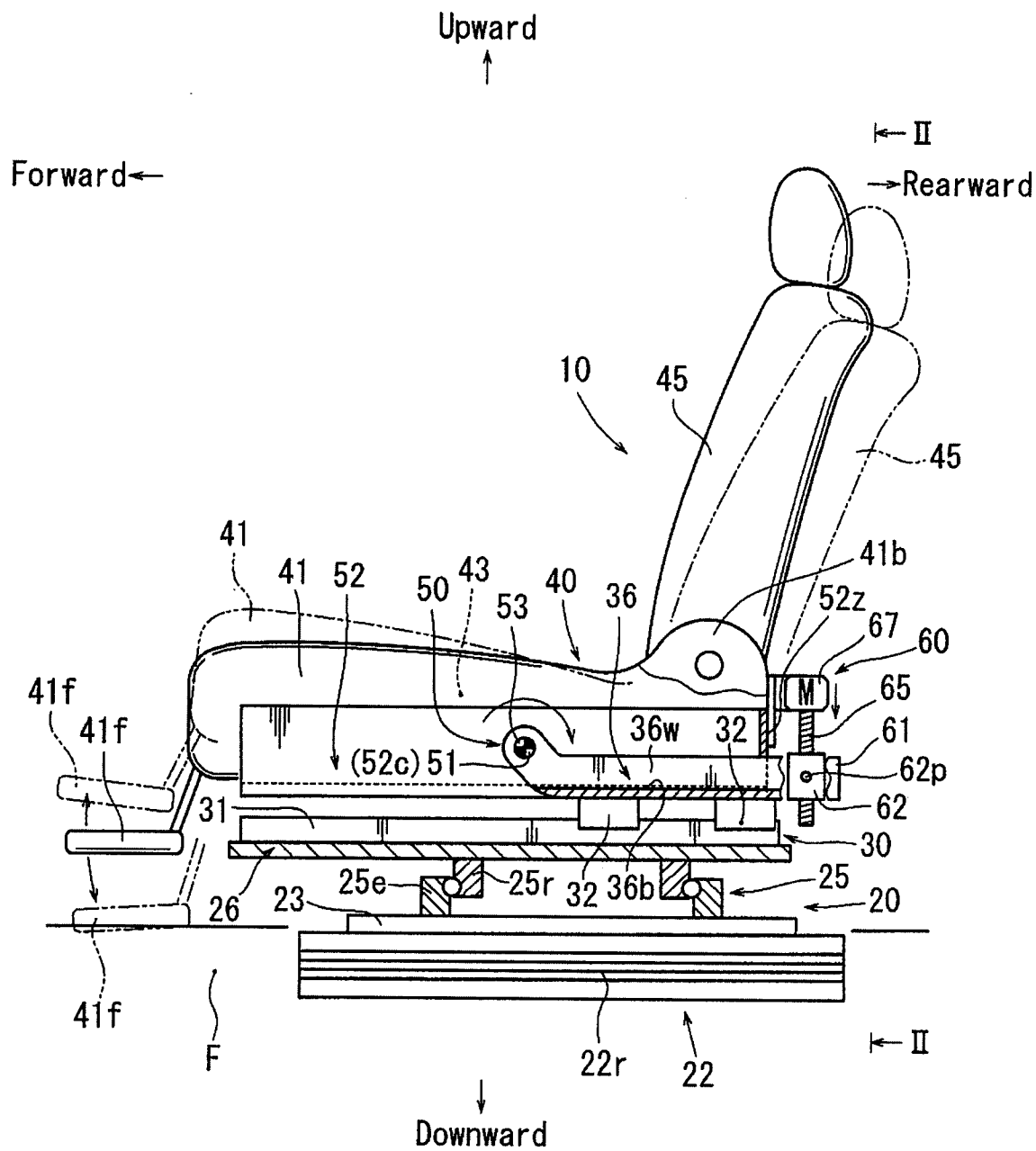


FIG. 1

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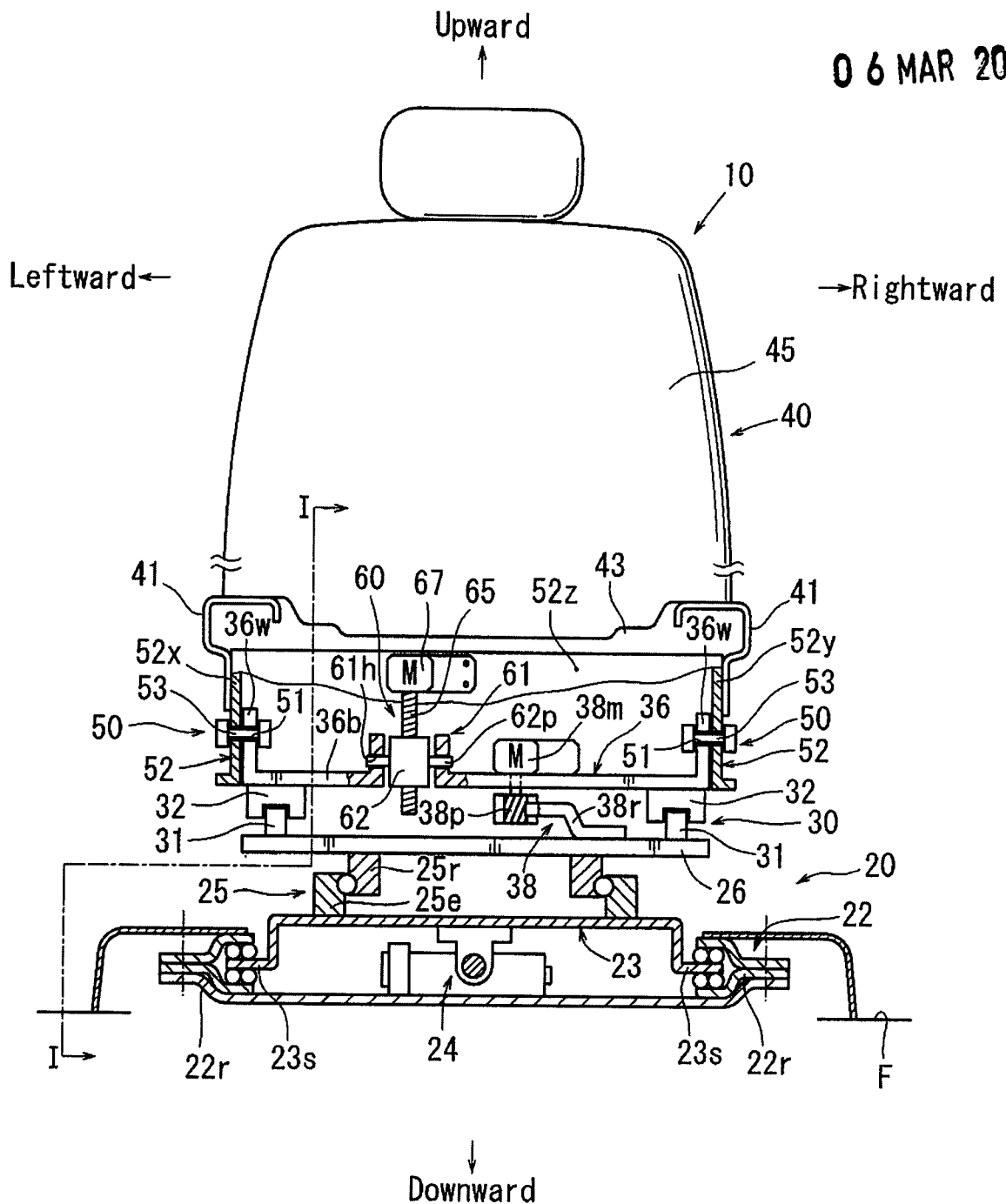


FIG. 2

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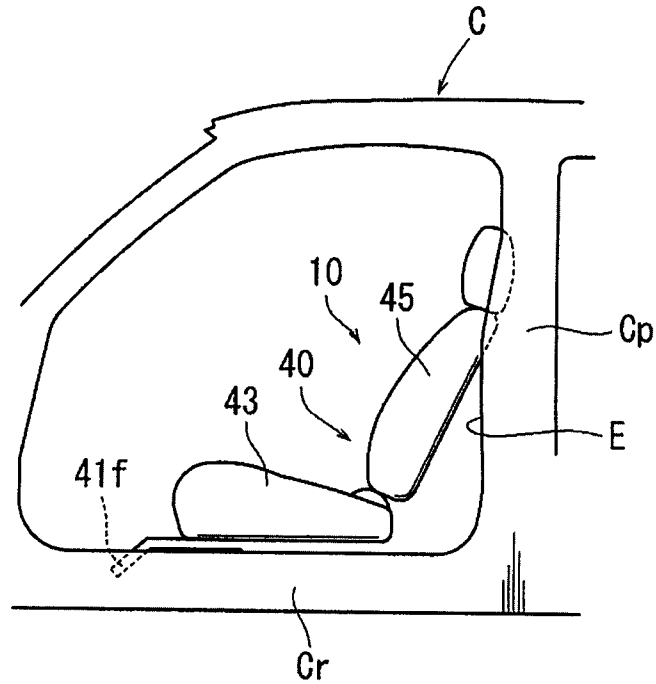
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(A)



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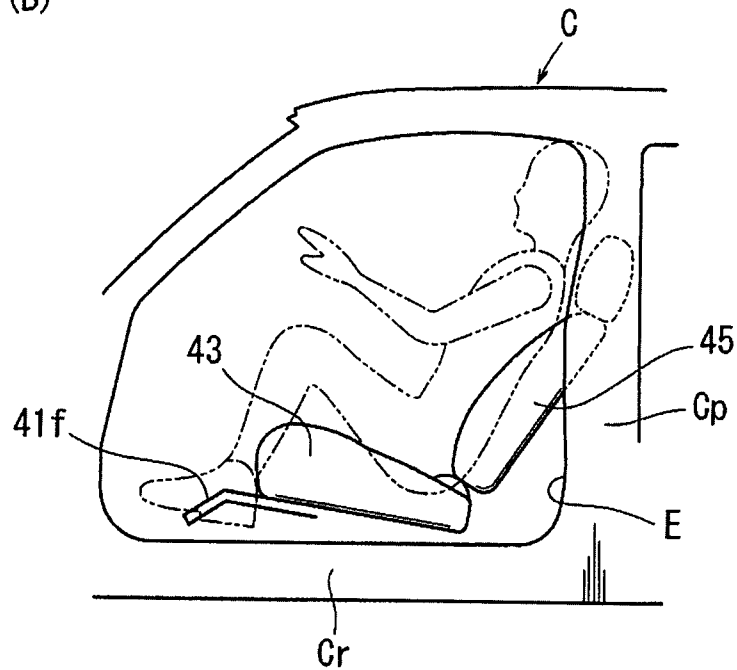


FIG. 4

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Sheet 5 of 6

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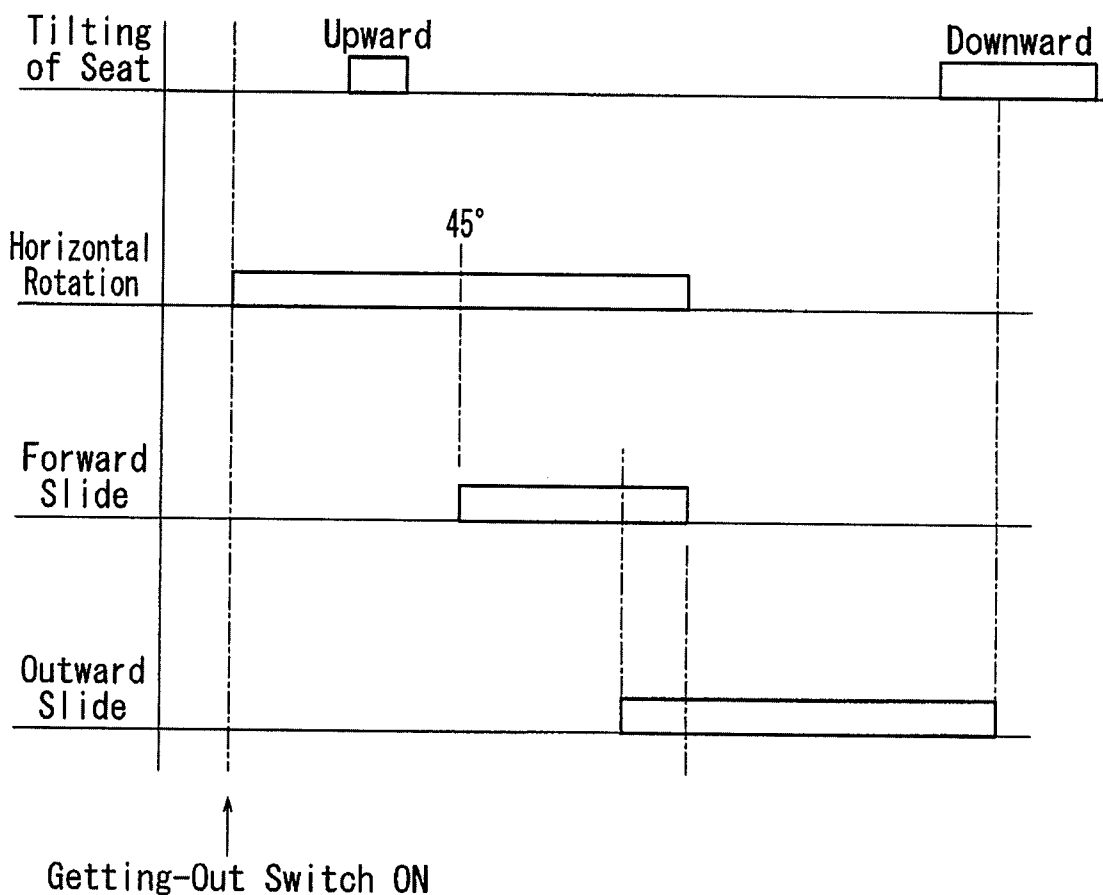


FIG. 5

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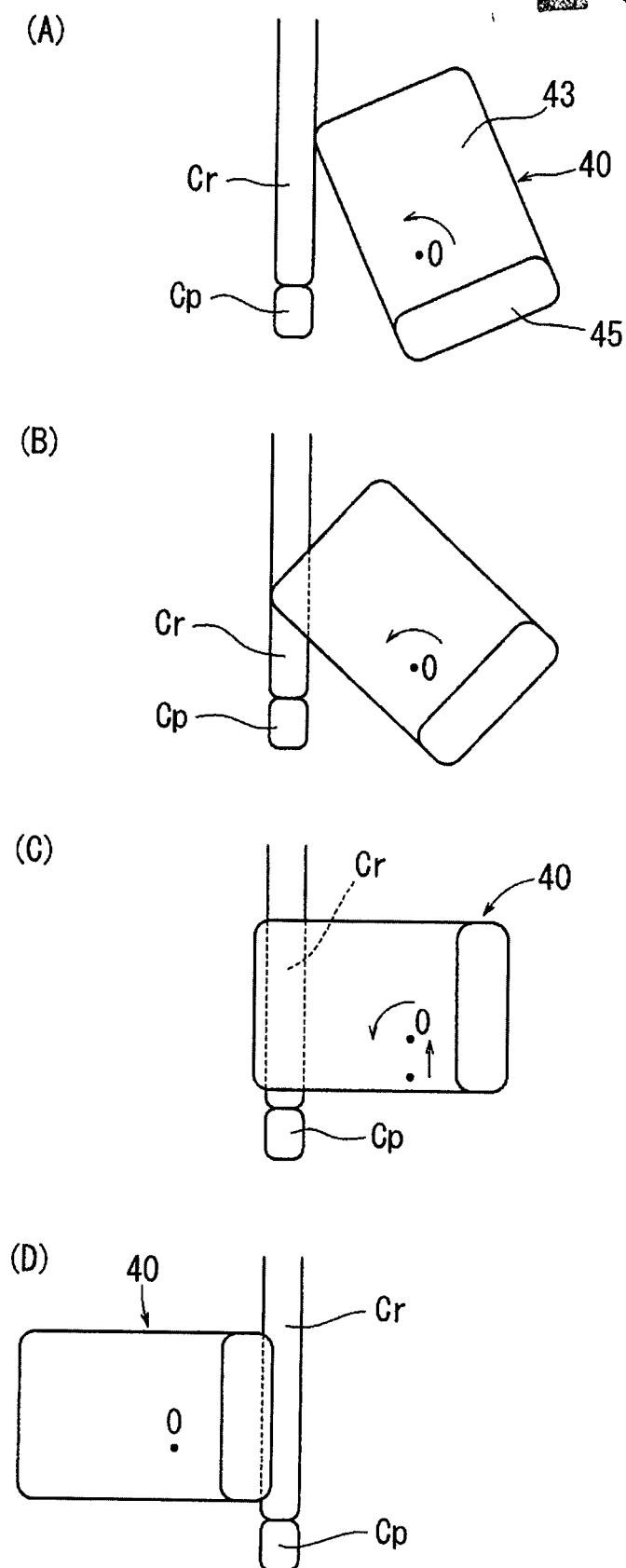


FIG. 6

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