

Title (en)
DEFORMATION ROBOT

Title (de)
VERFORMUNGSROBOTER

Title (fr)
ROBOT TRANSFORMABLE

Publication
EP 3974043 A4 20221019 (EN)

Application
EP 21824457 A 20210224

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Abstract (en)
[origin: EP3974043A1] The present invention provides a transformable robot, the transformable robot comprises an arm structure, a leg structure and a head of the robot which are fixed to a ribcage structure. The arm structure comprises a left arm and a right arm, the leg structure comprises a left leg and a right leg; the ribcage structure comprises a first steering gear fixed on an upper part of a second fixing frame, a rotating output shaft of the first steering gear successively passes through a top wall of the second fixing frame and a first backing plate to fixedly connected with a first steering wheel fixed on a first rotating frame; the first steering wheel is provided with an arc-shaped limited opening; a limited column on the first backing plate is movably passed through the limited opening; the rotating output shaft of the first steering gear rotates to drive the first rotating frame to rotate. The transformable robot may realize a transformation from a human form to a car form or from the car form to the human form by controlling the steering gears on each joint of the robot through a controller. In the car form, the transformable robot may realize a movement through the steering gears. In the human form, the robot may realize a biped walking through the steering gears.

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Citation (search report)
• [A] KR 20200000983 U 20200518
• [A] CN 108371820 A 20180807 - ROBOSEN INTELLIGENT TECH SHENZHEN CO LTD
• [A] CN 109746926 A 20190514 - UNION BROTHER MACHINERY CO LTD
• See references of WO 2022012051A1

Designated contracting state (EPC)
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