

Title (en)

WHEELCHAIR OR HANDCYCLE WITH REAR SUSPENSION

Title (de)

ROLLSTUHL ODER HANDRAD MIT HINTERRADFEDERUNG

Title (fr)

FAUTEUIL ROULANT OU VELO A MAIN AVEC SUSPENSION ARRIERE

Publication

EP 4186483 A1 20230531 (EN)

Application

EP 22202943 A 20221021

Priority

IT 202100029822 A 20211125

Abstract (en)

A wheelchair (1) or a handcycle (100) comprising:- a supporting frame (2);- a seat (3,4,5) fixed to the supporting frame (2);- a pair of rear wheels (6) and at least one front wheel (8) ;- a rear suspension (10) operatively interposed between the supporting frame (2) and the pair of rear wheels (6);characterized in that the rear suspension (10) comprises:- at least one leaf spring (11) coupled to the supporting frame (2) and arranged between the pair of rear wheels;- two wheel supporting elements (12), each of which supports a respective rear wheel (6) of the pair of rear wheels (6) and is fixed to the leaf spring (11).

IPC 8 full level

A61G 5/10 (2006.01); **A61G 5/12** (2006.01)

CPC (source: EP)

A61G 5/1078 (2016.10); **A61G 5/1081** (2016.10); **A61G 5/124** (2016.10)

Citation (applicant)

US 2012013098 A1 20120119 - HART HARLAN H [US]

Citation (search report)

- [X1] US 2010123296 A1 20100520 - CHELGREN ERIC MARK [US]
- [X1] US 6672606 B1 20040106 - DWYER JR EDWARD JOSEPH [US], et al

Designated contracting state (EPC)

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 ME MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

EP 4186483 A1 20230531; IT 202100029822 A1 20230525

DOCDB simple family (application)

EP 22202943 A 20221021; IT 202100029822 A 20211125