

Title (en)
WHEELCHAIR WITH IMPROVED SUSPENSION

Title (de)
ROLLSTUHL MIT EINER VERBESSERTEN RADAUFHÄNGUNG

Title (fr)
FAUTEUIL ROULANT A SUSPENSION AMELIOREE

Publication
EP 0988016 A2 20000329 (FR)

Application
EP 98928388 A 19980529

Priority
• FR 9801081 W 19980529
• FR 9706843 A 19970530

Abstract (en)
[origin: FR2763840A1] The invention concerns a wheelchair with flexible suspension designed to absorb and filter vibrations. The rear axle comprises a triangle (1) fixed on a box-beam, a steering swivel pin (15) bearing the wheel (R) and a shock absorbing strut (6) supported on a central shock absorber (10). The small wheels are mounted on a double system (21, 26) which filters the vibrations. The invention provides better comfort and compensates rolling motion; it also enables the passage from indoors to outdoors without modifying wheel camber angle and has a moulded shell for greater stability.

IPC 1-7
A61G 5/10; B60B 33/00; B60G 3/26; B60G 21/05

IPC 8 full level
A61G 5/10 (2006.01); **B60B 33/00** (2006.01); **B60G 3/26** (2006.01); **B60G 21/05** (2006.01)

CPC (source: EP US)
A61G 5/10 (2013.01 - EP US); **A61G 5/1078** (2016.10 - EP US); **B60B 33/00** (2013.01 - EP US); **B60G 3/26** (2013.01 - EP US); **B60G 21/05** (2013.01 - EP US); **B60B 33/0039** (2013.01 - EP US); **B60B 33/0049** (2013.01 - EP US); **B60B 33/0057** (2013.01 - EP US); **B60B 33/0068** (2013.01 - EP US); **B60B 33/0073** (2013.01 - EP US); **B60G 2200/144** (2013.01 - EP US); **B60G 2200/46** (2013.01 - EP US); **B60G 2204/129** (2013.01 - EP US); **B60G 2204/1302** (2013.01 - EP US); **B60G 2300/24** (2013.01 - EP US); **B60Y 2200/84** (2013.01 - EP US)

Citation (search report)
See references of WO 9853786A2

Designated contracting state (EPC)
AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)
FR 2763840 A1 19981204; **FR 2763840 B1 19991029**; AU 8023798 A 19981230; CA 2292752 A1 19981203; EP 0988016 A2 20000329; US 6412804 B1 20020702; WO 9853786 A2 19981203; WO 9853786 A3 19990304

DOCDB simple family (application)
FR 9706843 A 19970530; AU 8023798 A 19980529; CA 2292752 A 19980529; EP 98928388 A 19980529; FR 9801081 W 19980529; US 42468900 A 20000303