

Search query (4): [SP]: vehicle with a sloping steering column the invention relates to a vehicle (10), e.g. of the scooter type, comprising: a deck (12) tail gear (30) having single contact means (32) a steering assembly (16) comprising at least a steering column (18) having a first axis (x1), the first axis and the plane of the support forming a first angle (a1) nose gear (22) the nose gear being mounted to pivot relative to the deck about a second axis (x2) the steering column being arranged in such a manner that pivoting the steering column about the first axis causes the nose gear to pivot about the second axis and the first and second axes sloping relative to each other, thereby defining a second angle (a2). the invention is characterized by the fact that the first angle (a1) is not variable while the vehicle is in use.

Results: 8

Search history

Search FT=(WO2016046475) (Results 0)

1:

Search PN=(WO2016046475) (Results 1)

2:

Search [SP]: 1-14. (canceled) 15. a scooter type vehicle comprising: a deck suitable for supporting a user directly or indirectly and having a support
3: planetail gear having a single contact device a steering assembly comprising at least one steering column having a first axis, the steering column being mounted to pivot relative to the deck about a first axis, the first axis and the support plane forming a first angle nose gear having at least first and second ground contact device the nose gear being pivotally mounted relative to the deck about a second axis the steering column being arranged so that pivoting the steering column about the first axis causes the nose gear to pivot about the second axis and the first axis and the second axis sloping relative to each other and defining a second angle wherein the first angle is not variable while the vehicle is in use. 16. the vehicle according to claim 15, wherein it further comprises an angle joint device configured to connect together the steering assembly and the nose gear. 17. the vehicle according to claim 16, wherein the angle joint device comprises: a first element mounted on the steering column (18) a second element mounted on the nose gear and a third element mounted on the first element and on the second element. 18. the vehicle according to claim 17, wherein the third element is arranged between the first element and the second element. 19. the vehicle according to claim 16, wherein the first axis and the second axis intersect in the angle joint device. 20. the vehicle according to claim 16, wherein the angle joint device comprises a cardan joint. 21. the vehicle according to claim 15, wherein the first angle is an acute angle. 22. the vehicle according to claim 15, wherein the second axis slopes relative to the support plane of the deck. 23. the vehicle according to claim 22, wherein the second axis and the support plane form a third angle, the third angle being an obtuse angle. 24. the vehicle according to claim 23, wherein the third angle is not variable while the vehicle is in use. 25. the vehicle according to claim 15, wherein at least one of the first and second ground contact device of the nose gear comprise a wheel mounted to rotate about an associated axis of rotation. 26. the vehicle according to claim 25, wherein the wheel forms a non-zero camber. 27. the vehicle according to claim 15, wherein the nose gear has a longitudinal axis, the vehicle also having a return device configured to place the longitudinal axis of the nose gear so as to be substantially parallel to the support plane of the deck when the steering column is pivoted about the first axis. 28. the vehicle according to claim 15, wherein it further comprises a longitudinal axis, the vehicle being configured in such a manner that the deck slopes about the longitudinal axis towards the center of the circle having an arc that is drawn by the path of the vehicle when the steering column is pivoted about the first axis. (Results 0)

Search [SP]: vehicle with a sloping steering column the invention relates to a vehicle (10), e.g. of the scooter type, comprising: a deck (12) tail gear
4: (30) having single contact means (32) a steering assembly (16) comprising at least a steering column (18) having a first axis (x1), the first axis and the plane of the support forming a first angle (a1) nose gear (22) the nose gear being mounted to pivot relative to the deck about a second axis (x2) the steering column being arranged in such a manner that pivoting the steering column about the first axis causes the nose gear to pivot about the second axis and the first and second axes sloping relative to each other, thereby defining a second angle (a2). the invention is characterized by the fact that the first angle (a1) is not variable while the vehicle is in use. (Results 8)

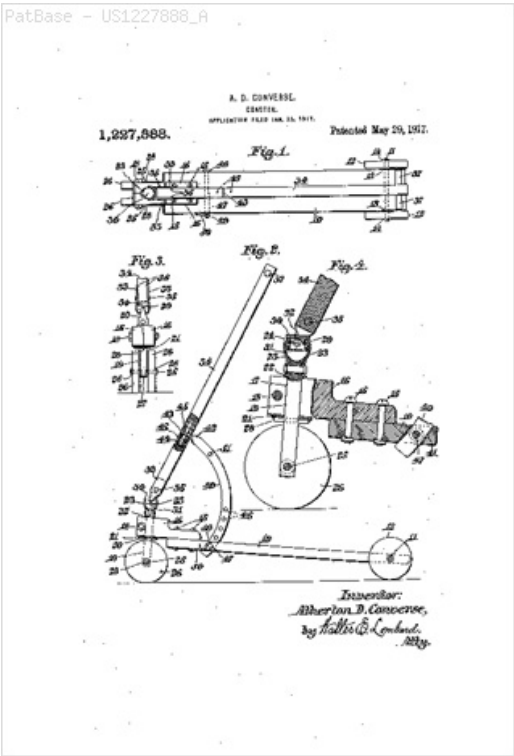
Title: COASTER.
Priority: US19170145022 19170125
Family:

Publication number	Publication date	Application number	Application date
US1227888 A	19170529	US19170145022	19170125

Probable Assignee: CONVERSE ATHERTON D
Assignee(s):(std): CONVERSE ATHERTON D
Assignee(s): ATHERTON D CONVERSE
Inventor(s):(std): CONVERSE ATHERTON D
Inventor(s): ATHERTON D CONVERSE
CPC: B62K3/002
US class: 280/87.041

[Classification Explorer](#)

Forward Citations: WO16046475, USD756465, USD736861, USD569447, USD547388, USD507993, USD505364, USD503661, USD453804, USD447189, USD441035, US8500147, US7584974, US7134677, US7083177, US6619678, US6511083, US6443470, US6283485, US6244605, US6179307, US6168175, US5848660, US2546711, US2009160150, US2008315544, US2005242537, TWI601658, FR3026084, EP2796355,



Title:

Coaster

Priority:

US19200378093 19200501

Family:

Publication number	Publication date	Application number	Application date
US1416864 A	19220523	US19200378093	19200501

Probable Assignee:

PARKES RICHARD W

Assignee(s):(std):

PARKES RICHARD W

Inventor(s):(std):

PARKES RICHARD W

International class (IPC 8-9):

B62K3/00 (Advanced/Invention)

International class (IPC 1-7):

B62M29/00

CPC:

B62K3/002 B62K2700/56

European class:

B62K3/00B L62K700/56

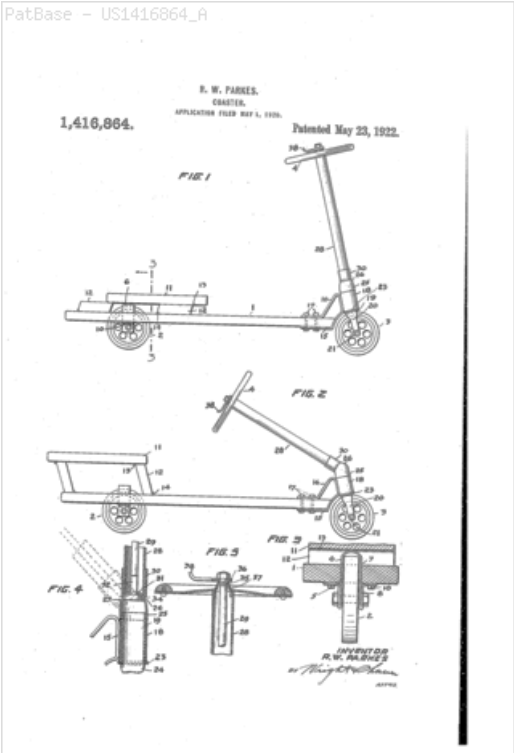
US class:

280/7.1 280/87.041 D21/423

Classification Explorer

Forward Citations:

WO16046475, WO08062306, WO04080788, USD460788, USD435874, USD435873, US8100421, US7862055, US7204497, US6511083, US4799701, US2660442, US2597748, US2016207583, US2011079975, US2009045597, US2004090031, ES2238898,



Title:

Priority:

Family:

Probable Assignee:

Assignee(s):(std):

Assignee(s):

Inventor(s):(std):

International class (IPC 8-9):

International class (IPC 1-7):

CPC:

European class:

US class:

Classification Explorer

Cited documents:

Forward Citations:

STEERABLE PLATFORMED VEHICLE FOR PLAY OR INDUSTRIAL USE

US19860863098 19860514US19870135493 19871221

Publication number	Publication date	Application number	Application date
US4776604 A	19881011	US19870135493	19871221

TANAVA MFG AND DISTRIBUTING INC

VALDEZ ARTHUR L ; VALDEZ ELVA R

TANAVA MFG ; TANAVA MFG AND DISTRIBUTING INC

VALDEZ ARTHUR L ; VALDEZ ELVA R

B62B11/00 B62K21/00 B62K3/00 (Advanced/Invention);
B62B11/00 B62K21/00 B62K3/00 (Core/Invention)

B62B11/00

B62K21/00 B62K3/002

B62B11/00 B62K21/00 B62K3/00B

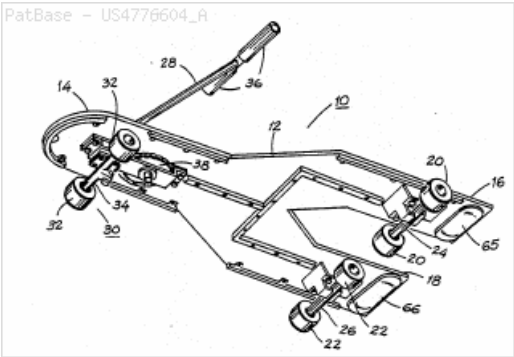
280/87.041 280/87.04B 280/87.04R

[Classification Explorer](#)

US4108460 A, US3656777 A, US2597748 A, US2147732 A, US2077274 A, US1674272 A, US1467453 A, US1318847 A,

USD725712, USD725711, USD716382, USD715370, USD710950, USD706876, USD654542, USD580500, USD497957, USD495758, USD495374, US9108693, US8500138, US8387996, US8360475, US8201838, US8128109, US8079604, US7926825, US7742581, US7681895, US7678026, US7438297, US7241197, US7226062, US7150460, US6908091, US6908090, US6883814, US6880840, US6739606, US6378879, US6299186, US6260648, US5785331, US5522620, US5413544, US5029887, US2012068428, US2011227305, US2011187069, US2010301572, US2010201093, US2010164193, US2009115160, US2007170666, US2007096410, US2006240742, US2006089223, US2005272572, US2005212245, US2005173879, US2005051984, US2004256824, US2004256823, US2004256822, US2004256821, US2004094925, US2004012166, US2003036461, GB2317592, FR3026084, FR2824518, DE29513430,

Abstract:
An improved platformed vehicle having a steerable front wheel is disclosed. The vehicle includes a bifurcated platform with the tail of the platform being divided into first and second branches. Rear wheels are mounted, in pairs, on the underside of each of the branches of the platform. A pair of steerable front wheels are mounted below the platform near the front of the platform. The sprocket wheels are also attached to the underside of the front of the platform. The first sprocket wheel is coupled to the steerable front wheel, while the second sprocket wheel, mounted just behind the first sprocket wheel, is couple to a steering mechanism which passes through the platform. A chain drive couples the two sprocket wheels and thus couples the steering mechanism to the front wheels. The second sprocket wheel has a larger diameter than does the first sprocket wheels so that small turns of the steering mechanism are translated into relatively large changes in the front wheel direction. The steering mechanism is adaptable for play or industrial use. In an industrial application the platform may include a basket for carrying goods.



Title:

STEERING DEVICE FOR A SKATEBOARD

Priority:

US20010902298 20010710

Family:

Publication number	Publication date	Application number	Application date
US2003011159 AA	20030116	US20010902298	20010710
US6511083 BA	20030128	US20010902298	20010710

Probable Assignee:

TSAI TAI YUAN

Assignee(s):

TSAI TAI YUAN

Inventor(s):(std):

TSAI TAI YUAN

International class (IPC 8-9):

A63C17/01 A63C17/26 B62K3/00 (Advanced/Invention)

International class (IPC 1-7):

A63C17/00 B62M1/00

CPC:

A63C17/01 A63C17/013 A63C17/015 A63C17/26 A63C2203/52 B62K3/002

European class:

A63C17/00B A63C17/01 A63C17/01B4 A63C17/01H2 A63C17/26 B62K3/00B K63C203/52

US class:

280/87.021 280/87.041 280/87.041P 280/87.042

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Cited documents:

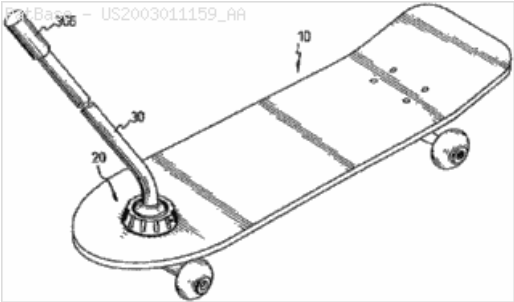
US6318741 BA, US6305698 BA, US6244605 BA, US6206388 BA, US6199880 BA, US5947493 A, US5899167 A, US5165711 A, US2711326 A, US2150814 A, US1968975 A, US1568412 A, US1416864 A, US1227888 A,

Forward Citations:

WO16046475, US9987546, US9789349, US9381968, US9365256, US9289676, US9199158, US9022406, US9010778, US8998224, US8925936, US8905410, US8740236, US7306240, US7226062, US7083177, US2016228737, US2015197303, US2015130155, US2014367933, US2014251072, US2013087983, US2012181773, US20111291375, US2007246308, US2005116430, US2002195788, JP5706918, JP2014147562, FR3042466, EP3156311, DE102012214930, DE102012214930,

Abstract:

A steering device for a skateboard has a front seat mounted with a pair of front rollers. The front seat has an upwardly extending cylinder. A receiving hole is defined in a top surface of the cylinder. The receiving hole receives a sphere inside. The sphere is connected to a shaft. The steering device enables the skateboard to be turned agilely, and is able to be adjusted to suit riders of different sizes.



Title:

Steering-wheel type two-wheeled electric bicycle

Priority:

CN200720151165U 20070606CN200810074152 20080220CN200820006652U 20080220

Family:

Publication number	Publication date	Application number	Application date
CN101229835 A	20080730	CN200810074152	20080220
CN201176232 Y	20090107	CN200820006652U	20080220

Probable Assignee:

YOUYI JU

Assignee(s):(std):

YOUYI JU

Assignee(s):

JU YOUYI

Inventor(s):(std):

YOUYI JU

Inventor(s):

JU YOUYI

International class (IPC 8-9):

B62K21/00 (Advanced/Invention);
B62K21/00 (Core/Invention)

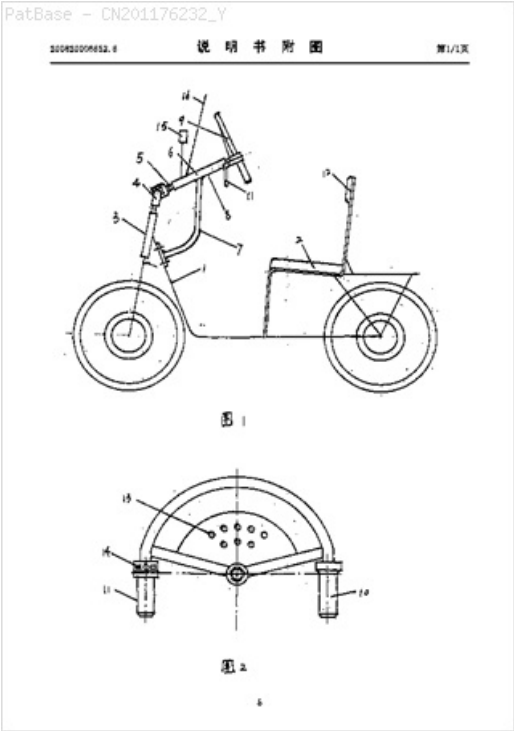
[Classification Explorer](#)

Forward Citations:

WO16046475,

Abstract:

The invention provides a two-wheel steering wheel typed electric bicycle which is more comfortable and relaxed for riding. The invention comprises a frame, a seat cushion, a front fork head, a joint of the front fork head, a universal joint, a steering shaft, a bearing support, a sleeve and a steering wheel, wherein, an upper end of the front fork head is fixedly connected with the joint of the front fork head; a lower joint of the universal joint is fixedly connected with the joint of the front fork head, and an upper joint is connected with an end of the steering shaft; the other end of the steering shaft is fixedly connected with the steering wheel after running through the sleeve that is fixedly connected with the frame via the bearing support; the steering wheel is provided with a speed governing rotating handle and a brake handle. The invention has the advantages that: by applying the structure type of the invention, the riding posture of the rider is basically changed; during riding, the steering wheel is held as driving a car; the riding seat is comfortable, the arm operation is easy, and the body posture is recreational, so the invention is more humanized.



Title:

THREE WHEELED SCOOTER

Priority:

US20080218725 20080718

Family:

Publication number	Publication date	Application number	Application date
US2010013183 AA	20100121	US20080218725	20080718

Probable Assignee:

HE RURONG

Assignee(s):(std):

HE RURONG

Inventor(s):(std):

HE RURONG

Agent(s):

RODERIC N UPHAUS

International class (IPC 8-9):

B60G9/00 B62D61/06 B62J39/00 B62M1/00 (Advanced/Invention);
B60G9/00 B62D61/00 B62M1/00 (Core/Invention)

CPC:

B62K3/002 B62K2204/00

European class:

B62K3/00B L62K204/00

US class:

180/210 180/210S 280/124.1 280/124.100S 280/210 280/210P 280/288.4 280/288.400S

[Classification Explorer](#)

Cited documents:

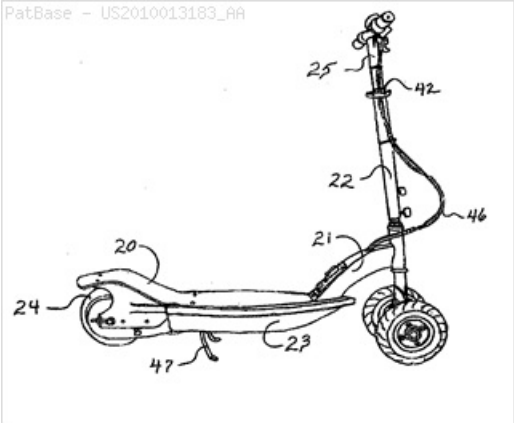
US6991243 BB, US6808188 BA, US6609584 BB, US6431302 BB, US6382646 BA, US6299186 BA, US6286843 BA, US6161860 A, US5927733 A, US5388659 A, US4693488 A, US4611684 A, US3992029 A, US3908780 A, US2004100053 AA, US1658068 A, US1611307 A,

Forward Citations:

WO17068078, WO16046475, WO15095368, WO14200500, WO14166812, USD779594, US9994278, US9783253, US9592876, US9051019, US8696000, US8226094, US2015166138, US2014311815, US2012187647, US2009205894, TWI601658, EP2921386, EP2481659, CN106155058, CN105189274, CN104210592, CN102631278,

Abstract:

A new and improved stand up type scooter used for traveling across generally flat terrain such as asphalt or concrete. The invention comprises of a three-wheeled scooter manually, gas, or electrically powered. The scooter consists of a frame, floor deck, steering tee handle, pivoting front suspension, two front wheels for added traction, and one rear powered or non-powered wheel. The invention incorporates a center stand for upright storage and a foldable handle for compact transport of the mechanism. Optional quick attach seat system for riding in seated position.



Title: Electric bicycle

Priority: CN200920155268U 20090523

Family:

Publication number	Publication date	Application number	Application date
CN201405978 Y	20100217	CN200920155268U	20090523

Probable Assignee: RENYA LI

Assignee(s):(std): RENYA LI

Assignee(s): LI RENYA

Inventor(s):(std): RENYA LI

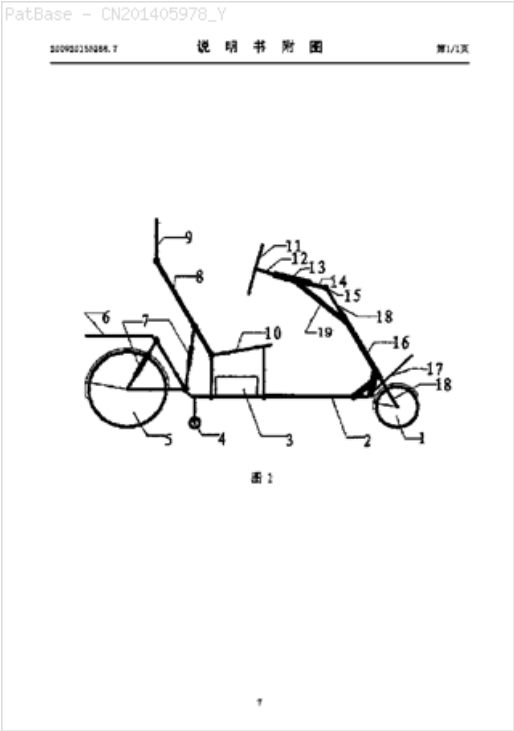
Inventor(s): LI RENYA

International class (IPC 8-9): B60K1/04 B62J1/00 B62K11/02 B62K21/12 B62M3/08 (Advanced/Invention)

[Classification Explorer](#)

Forward Citations: WO16046475, CN104249784, CN103253332, CN102730129,

Abstract:
The utility model discloses an electric bicycle which comprises a main frame, a front wheel, a rear wheel, a front fork, a handle, a saddle and a storage battery. The storage battery is arranged inside a battery box below the saddle. The handle is in the form of a steering wheel, and the steering wheel-type handle comprises a steering shaft, a steering wheel, a fixed sleeve and a rotatable sleeve, wherein the center of the steering wheel is fixedly connected with the steering shaft, the fixed sleeve is used for supporting the rotatable sleeve, the steering shaft is sleeved inside the rotatable sleeve with adjustable depth, the rotatable sleeve is connected with the front fork through an universal joint, and the included angle between the steering shaft and the horizontal line ranges from 15 degrees to 30 degrees. The front part of the main frame is fixedly connected with a fork sleeve, the front fork is sleeved inside the fork sleeve and can rotate smoothly, and the fixed sleeve and the fork sleeve are fixedly connected together through a connecting rod. By adopting the steering wheel-type handle and the universal joint connection, designing the saddle based on the body comfort and adopting some design elements of the car, the electric bicycle is easy to operate and comfortable to ride, doesn't cause the fatigue, and is safe and beneficial for health.



Title: VEHICLE WITH A SLOPING STEERING COLUMN
Priority: FR20140058938 20140923 WO2015FR52493 20150917
Family:

Publication number	Publication date	Application number	Application date
CA2961853 AA	20170320	CA20152961853	20150917
CN107074317 A	20170818	CN201580051052	20150917
CO20170002785 A2	20170331	CO20170002785	20170323
EP3197766 A1	20170802	EP20150788466	20150917
FR3026084 A1	20160325	FR20140058938	20140923
FR3026084 B1	20180216	FR20140058938	20140923
MX2017003730 A1	20170727	MX20170003730	20150917
SG11201702117W A1	20170427	SG20171102117	20150917
TH176896 A	20180614	TH20171001553	20150917
TW201623081 A	20160701	TW20150131291	20150922
TWI601658 B	20171011	TW20150131291	20150922
US2017297645 AA	20171019	US20150512930	20150917
WO16046475 A1	20160331	WO2015FR52493	20150917

Probable Assignee: DECATHLON
Assignee(s):(std): DECATHLON SA
Assignee(s): LEMAITRE BENOIT ; DECATHLON
Inventor(s):(std): LEMAITRE BENOIT ; BENOIT LEMAITRE
Agent(s): ROBIC; MARGARITA CASTELLANOS ABONDANO; BALESTA PIERRE; CABINET BEAU DE LOMENIE
Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW
International class
(IPC 8-9): B62K21/00 B62K21/18 B62K21/22 B62K3/00 B62K5/05 B62K5/08 B62M1/00 F16D3/38 (Advanced/Invention); B62K21/00 B62K3/00 B62K5/05 (Core/Invention)
CPC: B62K21/00 B62K5/08 F16D3/38 B62K21/18 B62K3/002 B62K5/05
[Classification Explorer](#)
Cited documents: US6511083 BA, US4776604 A, US2010013183 AA, US1416864 A, US1227888 A, CN201405978 Y, CN101229835 A,

Abstract:
The invention relates to a vehicle (10), e.g. of the scooter type, comprising:
• a deck (12);
• tail gear (30) having single contact means (32);
• a steering assembly (16) comprising at least a steering column (18) having a first axis (X1), the first axis and the plane of the support forming a first angle (a1);
• nose gear (22);
• the nose gear being mounted to pivot relative to the deck about a second axis (X2);
• the steering column being arranged in such a manner that pivoting the steering column about the first axis causes the nose gear to pivot about the second axis; and
• the first and second axes sloping relative to each other, thereby defining a second angle (a2).
The invention is characterized by the fact that the first angle (a1) is not variable while the vehicle is in use.

