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1) Family number: 32403022 (WO07029026A1)

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Title: STORAGE SYSTEM

Abstract: The present invention relates to storage systems. In particular the invention relates to storage apparatuses for vehicles. A vehicle storage apparatus comprises a container; an aperture through which a vehicle may pass; and a door operable to close the aperture, wherein the apparatus is provided with locking means, the locking means being operable by a user on an outer side of the container to lock the door and to unlock the door, the locking means being further operable by a user on an inner side of the container to unlock the door, wherein the apparatus is further provided with permission- determining means, the permission-determining means comprising means for determining whether a user is permitted to lock the door or to unlock the door, the permission-determining means being adapted to allow a user to lock the door or to unlock the door when it is determined that a user has permission.

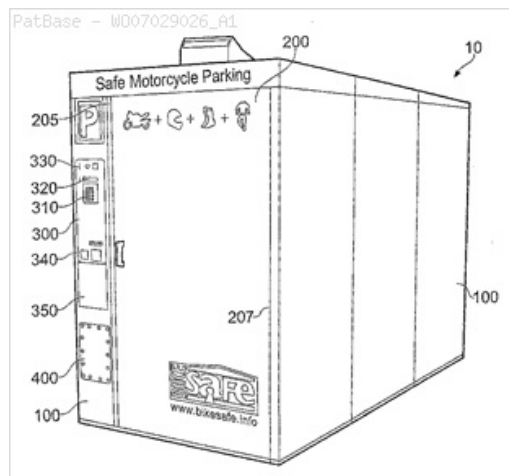
Classifications:

International (IPC 8-9): B62H3/00 B62H5/00 E04H6/00 E04H6/42 (Advanced/Invention);

B62H3/00 B62H5/00 E04H6/00 (Core/Invention)

CPC: E04H6/42 B62H3/00 E04H6/005 G07F17/12

European: B62H3/00 E04H6/00B E04H6/42 G07F17/12



Family:

Publication number	Publication date	Application number	Application date
GB200518307 A0	20051019	GB20050018307	20050908
GB200607997 A0	20060531	GB20060007997	20060424
GB2429987 A1	20070314	GB20060007997	20060424
WO07029026 A1	20070315	WO2006GB03353	20060908

Priority:

GB20050018307 20050908 GB20060007997 20060424

Probable Assignee: AIRFLOW WORLD GROUP LTD

Assignee(s): (std): AIRFLOW WORLD GROUP LTD ; SHARP NIGEL W ; SHARP NIGEL WILLIAM

Assignee(s): NIGEL WILLIAM SHARP ; AIRFLOW WORLD GROUP LIMITED

Inventor(s): (std): SHARP NIGEL WILLIAM

Inventor(s): NIGEL WILLIAM SHARP

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LK LR LS LT LU LV LY MA MC MD MG MK ML MN MR MW MX MY MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

Title: SECURE STORAGE APPARATUS, E.G. FOR BICYCLE

Abstract: Storage apparatus, e.g. for a motorcycle, cycle or like wheeled vehicle, comprises a housing 10, an access opening closeable by means of a closure 14, and a support 16 for receipt of the vehicle, the support comprising a tray moveable from a loading / unloading position (as shown) outside the housing to a position within the housing. The tray may pivot into the housing as shown or else it may slide into the housing in telescopic fashion (Fig 6, not shown).

Classifications:

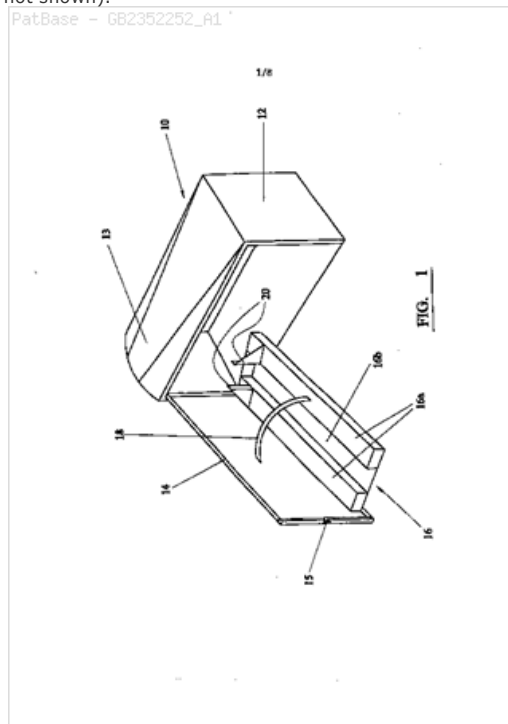
International (IPC 8-9): E04H6/00 (Advanced/Invention);

E04H6/00 (Core/Invention)

International (IPC 1-7): E04H6/02

CPC: B62H3/04 B62H3/08 E04H6/005

European: E04H6/00B



Family:

Publication number	Publication date	Application number	Application date
GB200008714 A0	20000531	GB20000008714	20000410
GB2352252 A1	20010124	GB20000008714	20000410
GB9908095 A0	19990602	GB19990008095	19990410

Priority:

GB19990008095 19990410

Probable Assignee:

VM FABRICATIONS LTD

Assignee(s): (std):

VM FABRICATIONS LTD

Inventor(s): (std):

HUGHES DEREK PATRICK

Inventor(s):

DEREK PATRICK HUGHES

Abstract: Source: DE9214083U1 [DE] (Claim 1) 1. Box zum diebstahlsicheren Abstellen eines Zweirades (14), beispielsweise eines Fahrrades, eines Mofas, eines Motorrades, eines Motorrollers und dgl., mit Seitenwänden (1, 2, 3, 4), von denen eine Seitenwand (4) zum Einsetzen und Herausnehmen des Zweirades (14) zu öffnen und zu schließen ist, mit einem Bodenrahmen (5), der an einem Fundament, beispielsweise an dem Untergrund bzw. einem Deckenboden zu befestigen, insbesondere festzuschrauben ist, und einer nach oben hin offenen Profilschiene (11) im Bodenrahmen (5) zur Aufnahme der Räder (12,13) des Zweirades sowie mit einem Dach (6).

Machine translation: (Claim 1) 1 Box for theft-proof parking a two-wheel (14), for example, a bicycle, a motor scooter, a motorcycle, a scooter and the like, with side walls (1, 2, 3, 4), of which one side wall (4) for inserting and removing the Two wheel (14) to open and close is a bottom frame (5), which attach to a foundation, for example on the Under-background or a ceiling floor, in particular, tighten, and an open-topped rail (11) in the bottom frame (5) for receiving the wheels (12,13) and the two-wheeler with a roof (6).

Classifications:

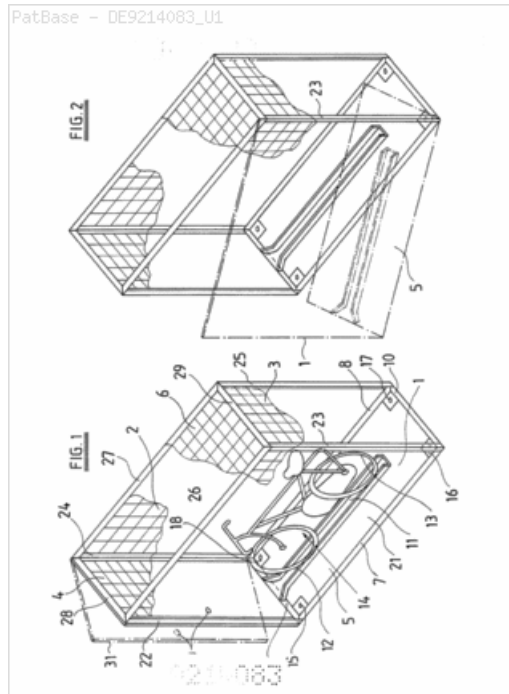
International (IPC 8-9): B62H3/00 E04H6/00 (Advanced/Invention);

B62H3/00 E04H6/00 (Core/Invention)

International (IPC 1-7): B62H3/00 B62H5/00 B65D85/68 E04H6/02

CPC: B62H3/08 E04H6/005 B62H3/00

European: B62H3/00 E04H6/00B

**Family:**

Publication number	Publication date	Application number	Application date
DE9214083 U1	19930311	DE19920014083U	19921019

Priority:

DE19920014083U 19921019

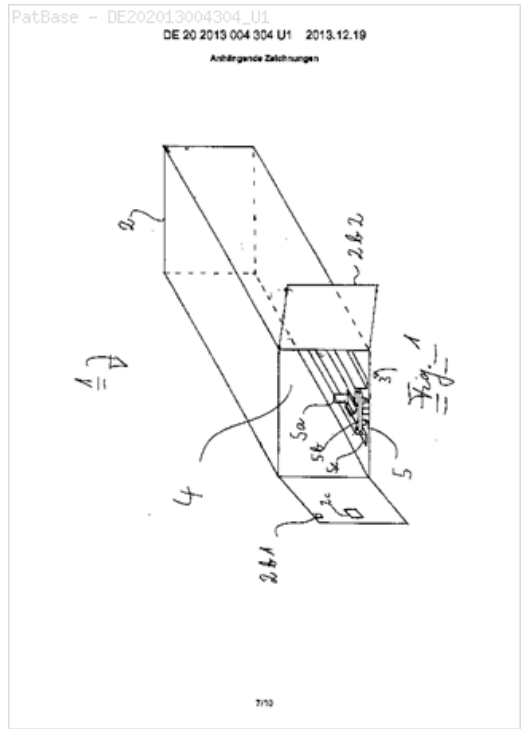
Probable Assignee: BITTLINSKY BERNHARD 4100 DUISBURG DE**Assignee(s):** BITTLINSKY BERNHARD 4100 DUISBURG DE**4) Family number: 55333090 (DE202013004304U1)**

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Title: ZWEIRADGARAGE WHEELER GARAGE (Machine translation)

Abstract: Source: DE202013004304U1 [DE] Zweiradgarage mit einer Aussenhuelle und einem Mittel zur Erleichterung des Einparkens, dadurch gekennzeichnet, dass dieses im von der Aussenhuelle umhuelten Bereich eine Schlittenanordnung mit einer Radaufnahme auf einem Schlitten und einer Schlittenfuehrung umfasst. **Machine translation:** Two wheeler garage with a Aussenhuelle and a means to facilitate the parking process, characterized in that in this enveloped by the Aussenhuelle area includes a carriage assembly having a wheel on a carriage and a Schlittenfuehrung.

Classifications:**International (IPC 8-9):** B62H3/08 E04H6/04 (Advanced/Invention)**CPC:** E04H6/005 B62H3/08



Family:

Publication number	Publication date	Application number	Application date
DE202013004304 U1	20131219	DE201320004304U	20130508

Priority:

DE201320004304U 20130508

Probable Assignee:

WUERZ BERND

Assignee(s): (std):

WUERZ BERND

Assignee(s):

WUERZ

5) Family number: 42029112 (GB2459937A)

© PatBase

Title: Cycle lockers

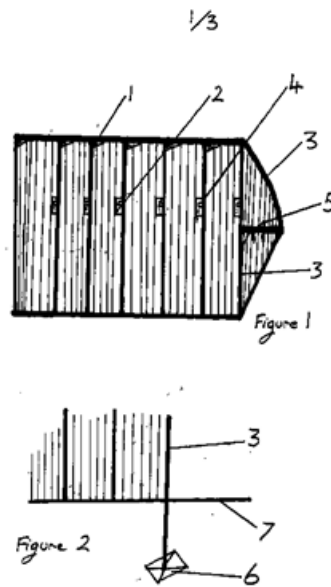
Abstract: Secure enclosed individual bicycle/motorcycle lockers 1 have locks 2 operated by a computer program activated by a swipe card or pass card. The locks 2 may lock automatically to ensure safety as well as preventing the lockers 1 from being left open. Two differently coloured lights 4, preferably red and green, provided with the lock may indicate whether the locker 1 is vacant or occupied. An audible sound is emitted if the door is left open after the automatic lock 2 has activated. A push-button lock release is preferably provided inside the locker 1. An administration computer may be provided with the locker operator to collect data from the lockers 1 and to assist users recover their cycles if their card is lost or stolen. The lockers 1 may be made in various shapes and sizes and located in many locations.

Classifications:

International (IPC 8-9): B62H3/00 E04H6/00
G07F17/12 (Advanced/Invention)

CPC: E04H6/005 G07F17/12 B62H3/00

European: B62H3/00 E04H6/00B G07F17/12

**Family:**

Publication number	Publication date	Application number	Application date
GB200808926 A0	20080625	GB20080008926	20080516
GB2459937 A1	20091118	GB20080008926	20080516

Priority:

GB20080008926 20080516

Probable Assignee:

KYSLUN LINDA

Assignee(s): (std):

KYSLUN LINDA

Assignee(s):

LINDA KYSLUN

Inventor(s): (std):

KYSLUN LINDA

Inventor(s):

LINDA KYSLUN

6) Family number: 66793170 (WO18078467A1)

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Title: AUTOMATED PARKING SYSTEM FOR TWO WHEELED-VEHICLES

Abstract: The invention relates to a mechanised, intelligent and automated parking system for two-wheeled vehicles, motorcycles and bicycles, using the height available in the smallest possible area. The invention essentially comprises: a) a structural module of metal elements (5), including supports and modular anchoring systems (17) and (18); b) a container cell for a vehicle, with a modular system of supports, guards and a drive shaft for motion; c) a clamping system consisting of a set of parts (6) and (7) operated manually using a handle (8) and tension cable (9), covered with rubber; d) a transmission system consisting of a gear motor and a chain sprocket gear system (16) and module transmitters, for generating motion through a special chain; and e) an electronic control unit with a PLC speed controller and position sensors in order to generate precise smooth movements.

Classifications:

International (IPC 8-9): B62H3/00 B62H3/04 B62H3/08 E04H6/12 E04H6/20 (Advanced/Invention)

CPC: B62H3/08 E04H6/12 E04H6/20

PatBase - WO18078467_A1

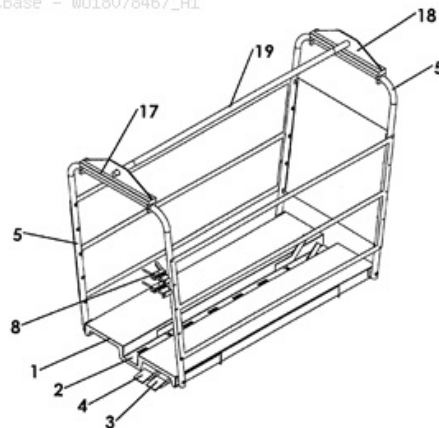


FIG.1

Family:

Publication number	Publication date	Application number	Application date
CO20160003388 A1	20170818	CO20160003388	20161025
WO18078467 A1	20180503	WO20171B55988	20170929

Priority:

CO20160003388 20161025

Probable Assignee: GIL GIRALDO HERNAN DARIO**Assignee(s):** (std): GIL GIRALDO HERNAN DARIO ; GIL GIRALDO RODRIGO ; OCHOA MEJIA ALFONSO LEON ; OCHOA OSORIO JUAN ESTEBAN ; LONDONO GONZALEZ ISABEL CRISTINA**Assignee(s):** ALFONSO LEON OCHOA MEJIA ; HERNAN DARIO GIL GIRALDO ; ISABEL CRISTINA LONDONO GONZALEZ ; JUAN ESTEBAN OCHOA OSORIO ; RODRIGO ALFONSO GIL GIRALDO**Inventor(s):** (std): OCHOA MEJIA ALFONSO LEON ; OCHOA OSORIO JUAN ESTEBAN ; GIL GIRALDO RODRIGO ; LONDONO GONZALEZ ISABEL CRISTINA ; GIL GIRALDO HERNAN DARIO**Inventor(s):** ALFONSO LEON OCHOA MEJIA ; HERNAN DARIO GIL GIRALDO ; ISABEL CRISTINA LONDONO GONZALEZ ; JUAN ESTEBAN OCHOA OSORIO ; RODRIGO ALFONSO GIL GIRALDO**Agent(s):** MILENA MEJIA OSORIO; GOMEZ VILLA JOHAN SEBASTIAN ET AL**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 DJ 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 JO JP KE KG KH KM KN KP KR KW KZ LA LC 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**7) Family number: 2928266 (DE3126828A1)**

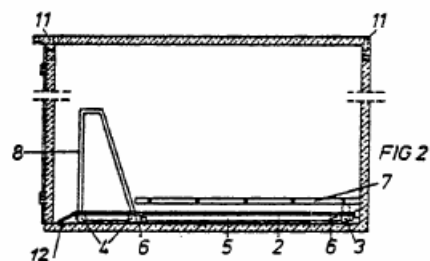
© PatBase

Title: COMPACT GARAGE FOR TWO-WHEELED VEHICLES

Abstract: Compact garage for two-wheeled vehicles for storing a motorbike or one or two smaller motorbikes or bicycles with or without an auxiliary motor or other articles. Owing to its small dimensions, the garage is transportable, is open or can be closed and is produced from one or more prefabricated compound units. The compact garage for two-wheeled vehicles is provided with a floor slab (2) which is moved manually or by an electric motor over 2/3 of its length in the longitudinal direction and slides on roller bearings or ball bearings (3, 4) and guide rails (7). The manually moved floor slab (2) is equipped with hand-actuating elements (8) which serve to accommodate the floor-slab fixing device, and the floor slab (2) is provided with retaining devices which, if required, can be closed and, if appropriate, are integrated in the hand-actuating elements (8).

Classifications:**International (IPC 8-9):** E04H6/00 (Advanced/Invention); E04H6/00 (Core/Invention)**International (IPC 1-7):** E04H6/02**CPC:** B62H3/00 E04H6/005**European:** E04H6/00B

PatBase - DE3126828_A1

**Family:**

Publication number	Publication date	Application number	Application date
DE3126828 A1	19830127	DE19813126828	19810708

Priority:

DE19813126828 19810708

Probable Assignee: MERKAMP HEINZ**Assignee(s):** (std): MERKAMP HEINZ**Inventor(s):** (std): MERKAMP HEINZ**8) Family number: 71758307 (CN108756350A)**

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Title: MOTORCYCLE AND ELECTRIC BICYCLE AUXILIARY PARKING MECHANICAL EQUIPMENT

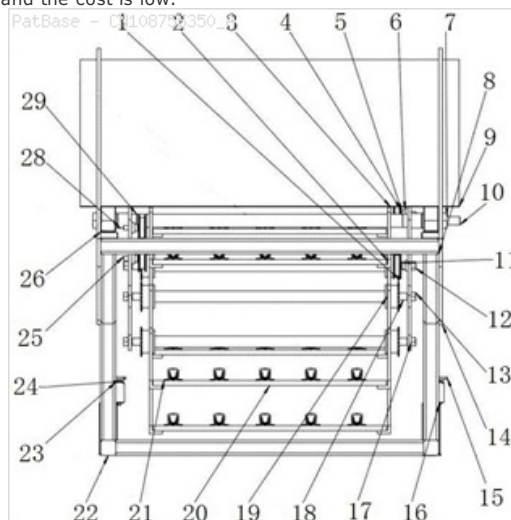
Abstract: The invention discloses motorcycle and electric bicycle auxiliary parking mechanical equipment. The motorcycle and electric bicycle auxiliary parking mechanical equipment comprises a supporting frame, two polygonal turning wheels which are arranged parallelly and coaxially, a plurality of parking platforms, a plurality of auxiliary parking devices and a plurality of tensioning mechanisms. Each parking platform comprises a flat plate, two vertical frames and a secondary shaft parallel to the central axes of the two polygonal turning wheels. Each parking platform corresponds to the two or more auxiliary parking devices. Each auxiliary parking device comprises a U-shaped clamping ring, limiting frames and U-shaped limiting sleeves. Each tensioning mechanism comprises a tensioning wheel, two balance wheels and a transmission ring. According to the motorcycle and electric bicycle auxiliary parking mechanical equipment, by arranging the two polygonal turning wheels and the multiple parking platforms, the polygonal turning wheels drive the parking platforms to rotate around a main shaft, accordingly, the vertical space is fully utilized, and the planar parking space is saved; the more the parking number on each platform is, the larger the saved space is; and meanwhile, a traditional traveling channel does not need to be reserved, scattered vacant land in cities can be fully

utilized to achieve high-density parking, mounting is convenient and fast, and the cost is low.

Classifications:

International (IPC 8-9): B62H3/04 E04D13/18 E04H6/00 E04H6/42
H02J7/35 (Advanced/Invention)

CPC: E04H6/005 B62H3/04 E04H6/42 H02J7/35



Family:

Publication number	Publication date	Application number	Application date
CN108756350 A	20181106	CN201810726422	20180704

Priority:

CN201810726422 20180704

Probable Assignee: UNIV ANHUI JIANZHU

Assignee(s): (std): ANHUI JIANZHU UNIV ; UNIV ANHUI JIANZHU

Inventor(s): (std): BIAN XIAOYU ; CHEN XUEHUI ; FANG HONGJIE ; HUANG LEI ; LI HAO ; TANG SHUN ; TANG SULONG ; YAN ZHEN ; YU CHUANYANG

9) Family number: 75125487 (US2019218809A)

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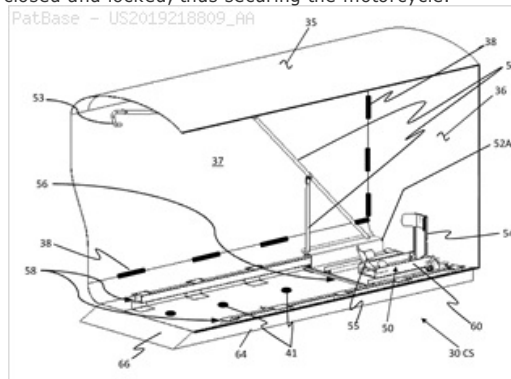
Title: SPECIAL COMPACT MOTORCYCLE STORAGE COMPARTMENT AND STRUCTURAL DEVICE

Abstract: A special compact motorcycle storage compartment for use in various applications. It consists of an exterior structure and lockable door. When a motorcycle is inside, the enclosure prevents vandalism and theft. The structure is not large enough to accommodate a person with the motorcycle. To move a motorcycle into the structure, the combination of a track system and wheel chock is used to keep the motorcycle in an upright position while moving it directly in and out of the structure. An extended handle and the wheel chock is mounted to a supporting platform. The platform is attached to two tracks which allows for movement of the platform in only two directions. The motorcyclist can push or pull on the handle to move the motorcycle into or out of the structure. Once the motorcycle is inside, the front door may be closed and locked, thus securing the motorcycle.

Classifications:

International (IPC 8-9): B62H3/04 B65D85/68
E04H6/00 (Advanced/Invention)

CPC: B65D85/68 B65D2585/6865 B62H3/04 E04H6/005



Family:

Publication number	Publication date	Application number	Application date
US2019218809 AA	20190718	US20180959483	20180423

Priority:

US20180617472P 20180115

US20180959483 20180423

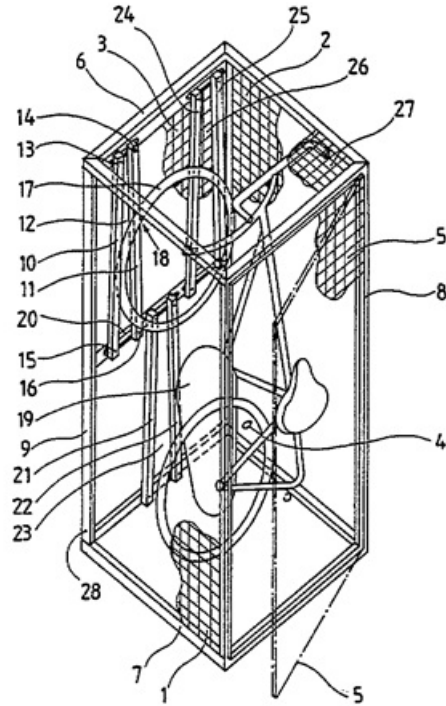
Assignee(s): (std): KELLO ED ; PEARSON WILL ; RUTAN JAMES

Inventor(s): (std): PEARSON WILL ; RUTAN JAMES ; KELLO ED

10) Family number: 53415534 (DE202013000637U1)

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Title: ZWEIRAD-AUFBEWAHRUNGSBEHAELTER MIT FUNKTIONSMODULEN

**Family:**

Publication number	Publication date	Application number	Application date
DE4333228 A1	19950406	DE19934333228	19930930
DE4333228 C2	19961017	DE19934333228	19930930

Priority:

DE19934333228 19930930

Probable Assignee: BITTLINSKY BERNHARD**Assignee(s):** (std): BITTLINSKY BERNHARD**Assignee(s):** BITTLINSKY BERNHARD 47199 DUISBURG DE**Inventor(s):** (std): BITTLINSKY BERNHARD**Inventor(s):** BITTLINSKY BERNHARD 47199 DUISBURG DE**12) Family number: 14291600 (FR2762343A)**

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Title: STORAGE LOCKER FOR TWO-WHEELED VEHICLES, ESPECIALLY BICYCLES OR MOPEDS

Abstract: The storage locker is in the form of a cage with a door at one end to allow the cycle to be placed in the cage and removed from it. A lock is fitted to the door, with a device to identify the owner of the cycle. Two guide rails (20) fitted inside the cage support a carrier which slides on the rails. The cycle is placed on the carrier and pushed into the cage, with the two rails guiding the carrier into the interior of the cage. Upright rails (14) support the cycle in the vertical position. On removal the carrier comes to the door to allow easy removal of the cycle.

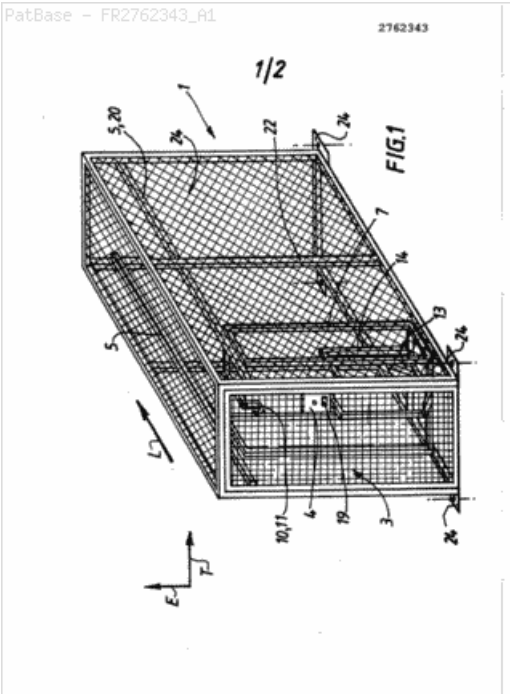
Classifications:

International (IPC 8-9): B62H3/00 E04H6/00 (Advanced/Invention);
B62H3/00 E04H6/00 (Core/Invention)

International (IPC 1-7): B62H3/02 E04H6/06 G07F17/10

CPC: B62H3/04 B62H3/12 B62H3/00 E04H6/005

European: B62H3/00 E04H6/00B



Family:

Publication number	Publication date	Application number	Application date
FR2762343 A1	19981023	FR19970004978	19970422

Priority:

FR19970004978 19970422

Probable Assignee: CORMIER BERNARD MICHEL
Assignee(s): (std): CORMIER BERNARD MICHEL
Inventor(s): (std): CORMIER BERNARD MICHEL

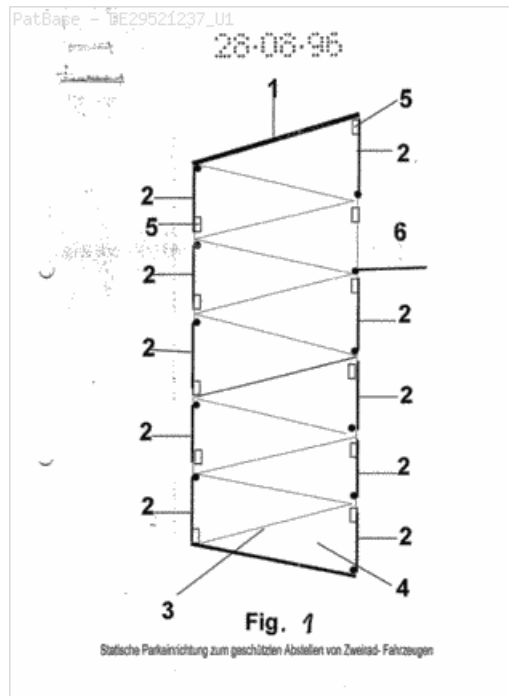
13) Family number: 17766604 (DE29521237U1) © PatBase

Title: Static park mechanism for protected turning off of two-wheeled motor vehicles

Abstract: Source: DE29521237U1 [DE] (Claim 1) ANSPRUECHE: Anspruch 1: Statische Parkeinrichtung zum geschuetzte n Abstellen vorr Zweirad- · | - ss Fahrzeugen insbesondere Fahrraedern und Mopeds, dadurch gekennzeichnet t, dass dieParkeinrichtung aus gleichartigen Gehaeusee te menten besteht (Fig.

Machine translation: (Claim 1) CLAIM: td claim td 1: static park facility for protected N-bicycle parking VORRE · | - ss vehicles in particular bicycles and mopeds, thus t marked containers that dieParkeinrichtung from Gehaeusee is te same elements (Fig.

Classifications:
International (ipc 8-9): B62H3/00 E04H6/00 (Advanced/Invention);
B62H3/00 E04H6/00 (Core/Invention)
International (ipc 1-7): B62H3/00 E04H6/02
CPC: B62H3/00 E04H6/005
European: B62H3/00 E04H6/00B



Family:

Publication number	Publication date	Application number	Application date
DE29521237 U1	19970424	DE19952021237U	19950616

Priority:

DE19951021843 19950616 DE19952021237U 19950616

Probable Assignee: WESTERMANN HARALD

Assignee(s): (std): WESTERMANN HARALD

Assignee(s): WESTERMANN HARALD 85247 SCHWABHAUSEN DE

14) Family number: 17659613 (DE9216152U1)

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Abstract: Source: DE9216152U1 [DE] (Claim 1) "Schutzansprüche" 1). Zweirad-Universal-Parkbox zum Schutz von Fahrrädern, Motorraedern, Krankenfahrstuehlen und Gartengeräeten vor Diebstahl und Witterungseinflüssen, dadurch gekennzeichnet, dass die aus Metall oder Kunststoff hergestellte Box aus einem Oberteil (1) und einem Unterteil (6) besteht, die mit zwei Gasdruckstosssdaempfern (7) verbunden sind, wobei an Oberteil (1) zur Abdichtung eine Falz (8) und zur Sicherung der Box ein ichlo- vorgesehen ist.

Machine translation: (Claim 1) "Schutzansprüche" 1). Bicycle universal parking bay for the protection of bicycles, motorcycles, Krankenfahrstuehlen and gardening equipment from theft and weather elements, characterized in that the metal or plastic box produced from an upper part (1) and a lower part (6) is that with two gas shock absorbers (7) are connected, wherein on the upper part (1) for sealing a seam (8) and to secure the box a ichlo-planned.

Classifications:

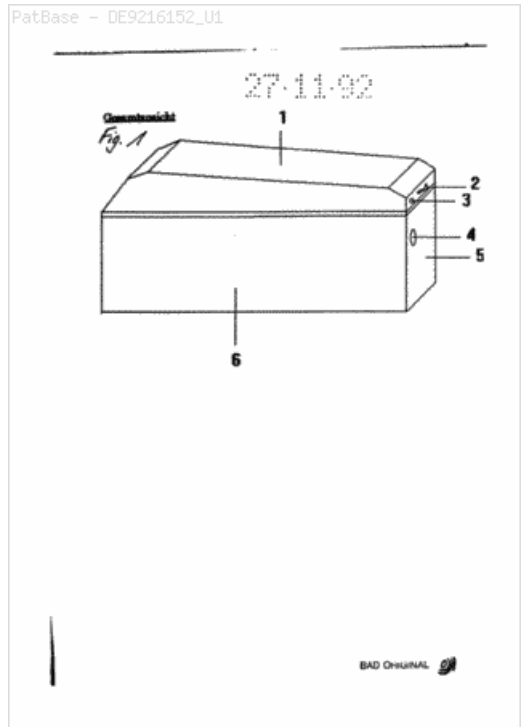
International (IPC 8-9): B62H3/00 E04H6/00 (Advanced/Invention);

B62H3/00 E04H6/00 (Core/Invention)

International (IPC 1-7): B62H3/00 E04H6/02

CPC: B62H3/00 E04H6/005

European: B62H3/00 E04H6/00B



Family:

Publication number	Publication date	Application number	Application date
DE9216152 U1	19930701	DE19920016152U	19921127

Priority:

DE19920016152U 19921127

Probable Assignee: ERDMANN KARL HEINZ 3425 WALKENRIED DE

Assignee(s): ERDMANN KARL HEINZ 3425 WALKENRIED DE

15) Family number: 17854627 (DE29706198U1)

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Title: Platform to a parks of motorcycles, in particular in garages

Abstract: Source: DE29706198U1 [DE] (Claim 1) Ulf Yerse P e l.d k irc h er s t r · 1?? 5 6 5 6 7 Neuwied " Plattfor m zum Einparken von Motorraedern, insbesondere inGaragen "Schutzansprueche: ? Plattfor m zum Einparken v on Motorraedern, dadurch gekennzeichnet, dass die Plattform an einem Ende um einen am Boden fest ver= ankerten Zapfen drehbar gelagert ist.

Machine translation: (Claim 1) Ulf Yers P e k l.d k irc · 1 st h it? 5 6 5 6 7 Neuwied td 'm platforms for parking of motorcycles, particularly tower inga " td Schutzansprueche: ? Plat m for parking motorcycles on v, characterized in that the platform is pivoted at one end by a floor-fixed ver = anchored cones.

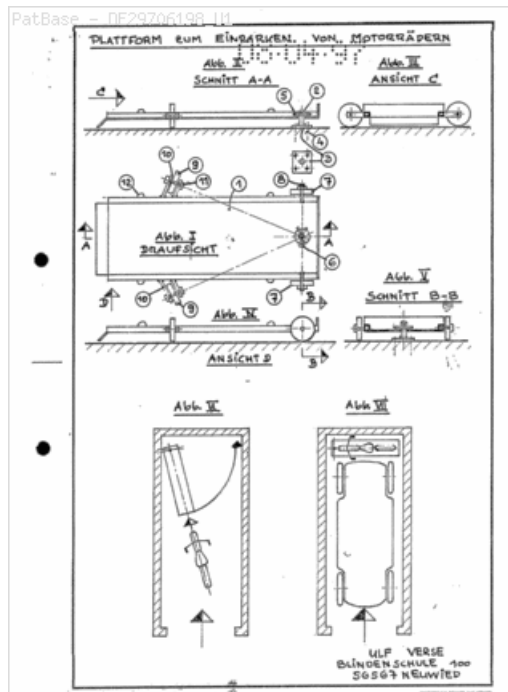
Classifications:

International (IPC 8-9): B62H3/00 E04H6/42 (Advanced/Invention);
B62H3/00 E04H6/00 (Core/Invention)

International (IPC 1-7): B62H3/00 E04H6/42

CPC: B62H3/00 E04H6/42

European: B62H3/00 E04H6/42

**Family:**

Publication number	Publication date	Application number	Application date
DE29706198 U1	19970717	DE19972006198U	19970408

Priority:

DE19972006198U 19970408

Probable Assignee: VERSE ULF**Assignee(s):** (std): VERSE ULF**Assignee(s):** VERSE ULF 56567 NEUWIED DE**16) Family number: 33318814** (US2006196125A)

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Title: COMPACT SECURITY SHELTER DEVICE FOR MOTORCYCLES, BICYCLES, FOUR-WHEELERS AND OTHER SMALL PERSONAL TRANSPORTATION VEHICLES

Abstract: The invention is an apparatus that can be temporarily or permanently secured to the ground or other flat surface to provide a clam-shell like housing for storage of a personal transportation vehicle such as a motorcycle, bicycle, or a four-wheeler. It protects the vehicle from rain and other damaging weather and from persons who might wish to steal the vehicle or otherwise damage or vandalize it. It also prevents passers-by from taking stored or other items left with the vehicle. The user can, in most cases, ride the vehicle into the unit and then securely lock the lid down to the lower half of the unit.

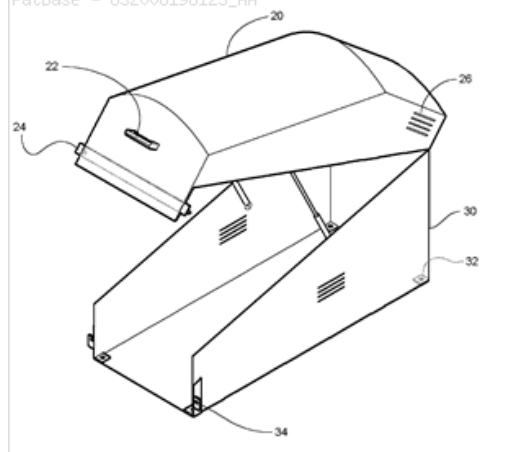
Classifications:**International (IPC 8-9):** E04B1/346 E04B7/16 E04H1/00

E04H3/00 (Advanced/Invention);

E04B1/346 E04B7/16 E04H1/00 E04H3/00 (Core/Invention)

CPC: B62H3/00 E04H6/005**European:** E04H6/00B**US:** 52/66 52/66P 52/71 52/72 52/79.1

PatBase - US2006196125-AA

**Family:**

Publication number	Publication date	Application number	Application date
US2006196125 AA	20060907	US20060306978	20060118
US2009307992 AA	20091217	US20080337282	20081217
US7644544 BB	20100112	US20060306978	20060118
US7966774 BB	20110628	US20080337282	20081217

Priority:

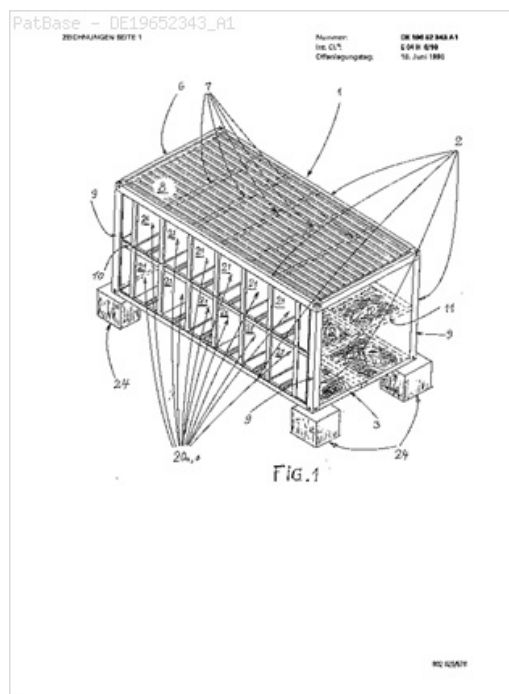
US20050593480P 20050118 US20060306978 20060118 US20070014196P 20071217
US20080337282 20081217

Probable Assignee: KEA DAVID BARRY**Assignee(s):** (std): KEA DAVID B ; KEA DAVID BARRY ; KEA DEWAINE S ; KEA DEWAINE SCOTT ; KEA HARRY E JR ; WAITES JR GEORGE B ; KEA JR HARRY EDWIN ; KEA SCOTT ; KEA JR HARRY E**Inventor(s):** (std): KEA JR HARRY E ; KEA DEWAINE SCOTT ; KEA SCOTT ; KEA JR HARRY EDWIN ; WAITES JR GEORGE B ; KEA DAVID BARRY ; KEA DAVID B ; KEA DEWAINE S ; KEA HARRY E JR**Inventor(s):** KEA HARRY ; KEA DAVID ; KEA DEWAINE ; KEA HARRY EJR ; KEA HARRY EDWIN**Agent(s):** CALHOUN "REB" THOMAS III; CALHOUN REB THOMAS III; CALHOUN; SAMUEL ALEXANDER; SAMUEL ALEXANDER LONG JR**17) Family number: 13330823** (DE19652343A1)

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Title: STORAGE SYSTEM FOR PROTECTION OF TRANSPORTABLE ARTICLES AGAINST WEATHER AND THEFT

Abstract: The storage system (20) comprises a number of individual containers which are assembled so as to form a container (1) that which is supported by a steel frame (2), so as to form a standardised module. The frame consists of lower and upper frames (3,6) with brackets (4,7) and linings (5,8), having corner support structure between the lower and upper frames so as to enable connection to further storage containers.

Classifications:**International (IPC 8-9):** E04H1/12 E04H6/00 (Advanced/Invention);
E04H1/12 E04H6/00 (Core/Invention)**International (IPC 1-7):** B62H3/00 B65G1/02 E04H1/12 E04H6/10**CPC:** B62H3/08 E04H6/005**European:** E04H6/00B**Family:**

Publication number	Publication date	Application number	Application date
CZ406697 A3	19980715	CZ19970004066	19971217
CZ9704066 A3	19980715	CZ19970004066	19971217
DE19652343 A1	19980618	DE19961052343	19961217

Priority:

DE19961052343 19961217

Probable Assignee: MVS RAUMSYSTEME GMBH**Assignee(s):** (std): MVS RAUMSYSTEME GMBH**Assignee(s):** MVS RAUMSYSTEME GMBH 13469 BERLIN DE**Inventor(s):** (std): ACHENBACH INGO**Inventor(s):** ACHENBACH INGO 57548 KIRCHEN DE**18) Family number: 72646864** (WO19146134A1)

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Title: PARKING SYSTEM

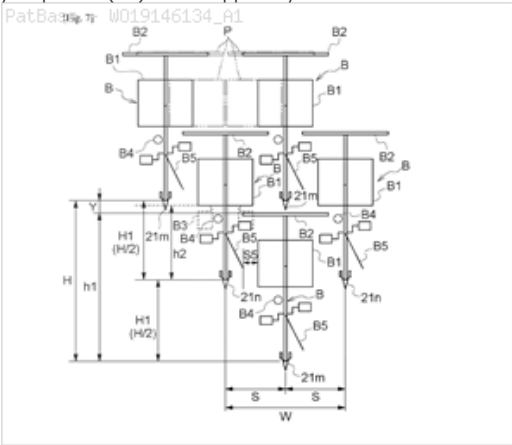
Abstract: Provided is a parking system which includes a gate section (40) that delivers a two-wheeled vehicle (B), an accommodation section (20) including a plurality of pallets (21) that accommodates the two-wheeled vehicle B, a cradle (60) that conveys the two-wheeled vehicle (B) from the gate section (40) to one of the pallets (21) of the accommodation section (20), and a lift section (80) that moves up and down the cradle (60), wherein the accommodation section (20) includes a plurality of layers, each layer including a plurality of the pallets (21), and at least one layer has a vertical interval narrower than a vehicle height of the two-wheeled vehicle (B) accommodatable between the at least one layer and an upper layer, and has the plurality of pallets

(21) at positions shifted in a horizontal direction with respect to the plurality of pallets (21) of the upper layer.

Classifications:

International (IPC 8-9): B62H3/00 E02D29/045 E04H6/00 E04H6/18 E04H6/28 E04H6/42 E21D13/00 (Advanced/Invention)

CPC: B62H3/08 E04H6/005



Family:

Publication number	Publication date	Application number	Application date
CN208310322 U	20190101	CN201820457683U	20180330
JP2019127803 A2	20190801	JP20180011877	20180126
WO19146134 A1	20190801	WO2018JP13564	20180330

Priority:

JP20180011877 20180126

Probable Assignee: GIKEN SEISAKUSHO KK

Assignee(s): (std): GIKEN LTD ; GIKEN SEISAKUSHO CO LTD ; GIKEN SEISAKUSHO KK

Assignee(s): TECHNOLOGY DEVELOPMENT CO LTD AS

Inventor(s): (std): KITAMURA SEIO ; IKEDA TOSHIO ; KITAMURA AKIO ; KITAMURA MORIO

Agent(s): KATO SHINJI; SUZUKI MAMORU; KATO SHINJI ET AL

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 DJ 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 JO KE KG KH KM KN KP KR KW KZ LA LC 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

19) Family number: 18039916 (DE19805228A1)

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Title: Bicycle storage and parking holder

Abstract: The bicycle holder, for a cycle store or park, has at least one holder (1) working with at least one guide (3) to take the bicycle (2). The holder (1) is moved by at least one connector (4) along the guide (3), to be locked in at least one position. The holder (1) secures at least one bicycle wheel (2.1). The holder (1) can swing on at least one swing axis (9) at the connector (4).

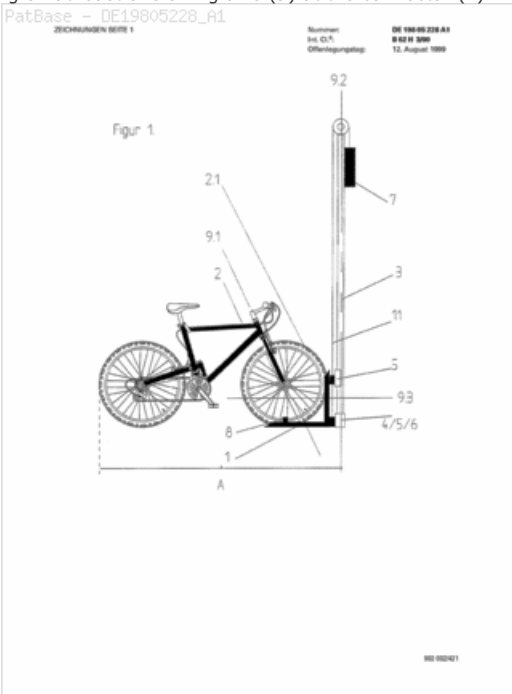
Classifications:

International (IPC 8-9): B62H3/12 E04H6/00 (Advanced/Invention); B62H3/00 E04H6/00 (Core/Invention)

International (IPC 1-7): B62H3/00 E04H6/02

CPC: B62H3/12 E04H6/005

European: B62H3/12 E04H6/00B



Family:

Publication number	Publication date	Application number	Application date
DE19805228 A1	19990812	DE19981005228	19980210

Priority:

DE19981005228 19980210

Probable Assignee: BUCHERT FRED

Assignee(s): (std): BUCHERT FRED

Assignee(s): BUCHERT FRED 49214 BAD ROTHENFELDE DE

Inventor(s): (std): BUCHERT FRED

Inventor(s): BUCHERT FRED 49214 BAD ROTHENFELDE DE

20) Family number: 11017941 (DE4235158A1)

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Title: Box for anti-theft protection of bicycle - has sidewalls, one of which is openable and closable for insertion and removal of bicycle, and floor frame fixable to ground by screws, etc.

Abstract: In a face wall (4) of the box a pivot door is provided. The floor (5) of the box is formed as a pivot floor and the attached side wall (1) as a pivot wall, both of which are pivotable around a common side edge (23). The floor frame (5) with the sidewall are formed like a drawer, and the floor is displaceable on two telescopic push bars. One of the sidewalls is formed as a roller blind and the side walls, the cover and possibly also the floor or formed from steel plate, as a grid mat, of plastic, partic. PVC, plexiglass or similar. USE/ADVANTAGE - A theft-proof box for bicycles. The arrangement prevents removal of components or the complete bicycle.

Classifications:

International (IPC 8-9): B62H3/00 B65D85/68

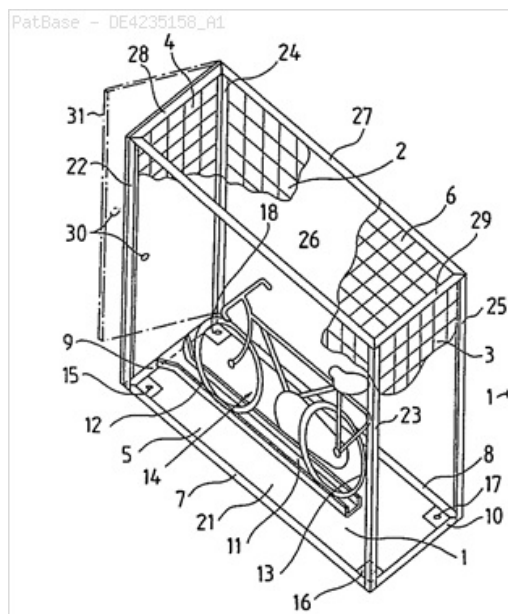
E04H6/00 (Advanced/Invention);

B62H3/00 B65D85/68 E04H6/00 (Core/Invention)

International (IPC 1-7): B62H3/00 B62H3/08 B62H5/00 B65D85/68 E04H6/02

CPC: B62H3/00 B65D85/68 B65D2585/6862 E04H6/005

European: B62H3/00 B65D85/68 E04H6/00B L65D585/68Y5A



Family:

Publication number	Publication date	Application number	Application date
DE4235158 A1	19940421	DE19924235158	19921019
DE4235158 C2	19940804	DE19924235158	19921019

Priority:

DE19924235158 19921019

Probable Assignee: BITTLINSKY BERNHARD

Assignee(s): (std): BITTLINSKY BERNHARD

Assignee(s): BITTLINSKY BERNHARD 47199 DUISBURG DE

Inventor(s): (std): BITTLINSKY BERNHARD

Inventor(s): BITTLINSKY BERNHARD 47199 DUISBURG DE

21) Family number: 65490978 (CH711624A)

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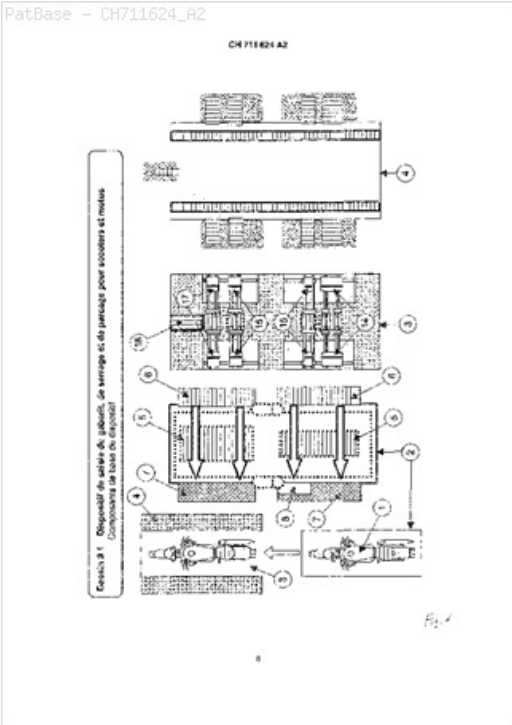
Title: DISPOSITIF DE SAISIE DU GABARIT, DE SERRAGE, DE PARCAGE ET DE TRANSPORT POUR SCOOTERS ET MOTOS. THE TEMPLATE ENTRY DEVICE, CLAMPING, PARKING AND TRANSPORTATION FOR SCOOTERS AND MOTORCYCLES. (Machine translation)

Abstract: Source: CH711624A [FR] L'invention concerne un dispositif de saisie du gabarit, de serrage, de parcage et de transport pour scooters et motos qui est constitue de trois composants de base essentiels. Le premier composant (2) est une plateforme de saisie du gabarit du vehicule (1), de l'empattement et du profil des roues. Les saisies du gabarit s'exercent par detecteurs au sol, par cellules photoelectriques et par mesures laser. Le deuxieme composant (3) est un module-plateforme de serrage du vehicule equipe de dispositifs mecaniques amovibles. Le troisieme composant (4) est un chassis de reception et de manipulation, equipe de dispositifs mecaniques et de moteurs a fonctions multiples pour la manipulation des dispositifs mecaniques du module-

plateforme de serrage (3). Le processus comprend trois phases, la saisie du gabarit, l'entrée sur la plateforme de serrage qui est déjà installée sur le châssis de réception et de manipulation et enfin le serrage du véhicule. **Machine translation:** The invention concerns a device the template entry, clamping, parking and transportation for scooters and bikes that is constitutes of three essential building blocks. The first component (2) is a platform of seizure of the size of the vehicle (1), the wheelbase and the profile of the wheels. Seizures of the template are by detectors on the ground and photo cells by laser measures. The second component (3) is a module-clamping of the removable mechanical devices team vehicle platform. The third component (4) is a frame reception and handling, mechanical devices and Motors team has multiple functions for the manipulation of the module-clamping platform (3) mechanical devices. The process includes three phases, the template entry, entry on the clamping platform that is already installed on the chassis of reception and handling and clamping of the vehicle.

Classifications:

International (IPC 8-9): B62H3/04 E04H6/12
E04H6/42 (Advanced/Invention)
CPC: B62H3/04 B62H3/06 E04H6/005 E04H6/424



Family:

Publication number	Publication date	Application number	Application date
CH711624 A2	20170413	CH20150001475	20151012

Priority:

CH20150001475 20151012

Probable Assignee:

RICHARD GAILLARD

Assignee(s): (std):

RICHARD GAILLARD

Inventor(s): (std):

RICHARD GAILLARD