[Claim 1. The]

An isolator system comprising:

a glove box that includes an operation partportion including a glove for performing an internal operation, and forms an operation space which is isolated from the outside.

An;

an intake port for taking ina gas into the glove box;

An;

an exhaust port connected to an exhaust pipe for exhausting the gas in the glove box;

A;

a flow rate adjustingregulation mechanism for adjustingthat regulates an exhaust flow rate of the gas discharged, which is exhausted from the exhaust port to the exhaust pipe, to an exhaust flow rate capable of generating where a differential pressure preset which is set in advance can be formed between the operatingoperation space and the outside of the glove box by a differential pressure forming partportion provided in the intake port;

A;

a partition member which is partitioned partitions an inside of the glove box into the operation space and a buffer space in whichwhere the exhaust port is formed, and in which has a communication port ;

A is formed to communicate the operation space and the buffer space with each other; and

a buffer side gas supply unit provided with an air that includes the intake port and supplyingsupplies a buffer gas to the buffer space;

The,

wherein the buffer side gas supply unit is configured such that a broken opening is formed when the operation unit is dropped from a glove box constituting the operation space. An isolator system, comprising : includes a supply stop mechanism for stopping supply of a buffer gas so that which, when a damage opening is formed due to the operation portion falling off from the glove box which forms the operation space, stops supplying the buffer gas such that the gas passing through the brokendamage opening flows in at ana lowest air speed equal to or higher than a preset minimum wind speed.

greater which is set in advance.

[Claim 2. ]

The isolator system according to claim 1,

wherein, in thea case where the brokendamage opening is formed, the supply stop mechanism is provided with thewhen a differential pressure which is measured by thea differential pressure measuringmeasurement u

nit provided ~~for measuring~~in order to measure the differential pressure betw een the operation space and the outside of the glove box ~~and the operatio n space~~ reaches a negative pressure ~~of~~with a ~~predetermined~~ magnitude set in advance, the supply stop mechanism stops supplying the buffer gas.

[Claim 3]

An isolator system comprising:

a glove box that includes an operation portion including a glove for perf orming an internal operation, and forms an operation space which is isolated fr om outside;

an intake port for taking a gas into the glove box;

an exhaust port connected to an exhaust pipe for exhausting the gas in the glove box;

a flow rate regulation mechanism that regulates an exhaust flow rate of the gas, which is exhausted from the exhaust port to the exhaust pipe, to an exhaust flow rate where a differential pressure which is set in advance can be formed between the operation space and the outside of the glove box by a diff erential pressure forming portion provided in the intake port;

a partition member which partitions an inside of the ~~buffer gas is s topped.~~glove box into the operation space and a buffer space where the exha ust port is formed, and in which a communication port is formed to communica te the operation space and the buffer space with each other;

~~3. The glove box includes an operation part including a glove fo r performing an internal operation, and forms an operation spac e isolated from the outside.~~

~~An~~ a buffer side gas supply unit that includes the intake port ~~for taking in gas into the glove box ;~~

~~An exhaust port connected to an exhaust pipe for exhausting gas in the glove box ;~~

~~A flow rate adjusting mechanism for adjusting an exhaust flow r ate of the gas discharged from the exhaust port to the exhaust p ipe to an exhaust flow rate capable of generating~~and supplies a ~~di fferential pressure preset between the operating space and the outside of the glove box by a differential pressure forming par t provided in the intake port ;~~

~~A partition member which is partitioned into the operation spac e and a buffer space in which the exhaust port is formed and whi ch has a communication port ;~~

~~A~~ buffer ~~side gas supply part provided with an intake port and su pplying~~ gas to the buffer ~~gas to the buffer~~ space ~~;~~

~~An~~;

an operation space side gas supply ~~part for supplying~~unit that supp lies an operation space gas to the operation space ~~;~~

~~A~~; and

a filter provided in the communication port ~~is provided.~~

~~The~~,

wherein the buffer gas is ~~an atmosphere,~~atmospheric air and the oper ation space gas is an inert gas~~.~~

~~The~~, and

wherein a flow rate of the gas for an operation space gas supplied fro m the operation space side gas supply unit is set as follows : The isolat or system is characterized in that at a flow rate where a pressure los s generatedoccurring when the buffer gas passes through thea differential pr essure forming partportion of the buffer side gas supply part is set to be higherunit becomes larger than a pressure loss generatedoccurring when th e operation space gas passes through the filter.

[Claim 4]

An isolator system comprising:

4. The a glove box that includes an operation partportion including a gl ove for performing an internal operation, and forms an operation space which i s isolated from the outside.

An;

an intake port for taking ina gas into the glove box;

An;

an exhaust port connected to an exhaust pipe for exhausting the gas in the glove box;

A;

a flow rate adjustingregulation mechanism for adjustingthat regul ates an exhaust flow rate of the gas discharged, which is exhausted from th e exhaust port to the exhaust pipe, to an exhaust flow rate capable of gene ratingwhere a differential pressure presetwhich is set in advance can be for med between the operatingoperation space and the outside of the glove box by a differential pressure forming partportion provided in the intake port;

A traveling;

a travel path extendingthat extends along thean arrangement directio n of thea plurality of reaction vessels and is arranged above the reaction vess els in an operation chamber in which a plurality ofroom where the react ion vessels connectable to the glove box are arranged, respectively ;

A;

a traveling body that is provided movablyto be movable along the tra velingtravel path in a state where the traveling body is supported byon the travelingtravel path;

A; and

a suspension support portion for supporting part for suspending an d supporting the glove box in a suspended manner from the traveling body is provided.

The,

wherein the exhaust pipe is connected to the exhaust port, and isthe e xhaust pipe includes an indoor side exhaust pipe portion that moves along the travel path as the glove box moves, and outdoor side exhaust pipe portions th at are provided at a plurality of locations correspondingto correspond to the plurality of reaction vessels, and is provided at a plurality of locati ons corresponding to the plurality of reaction vessels, in the indoor side exhaust pipe portion which moves along the travelin g path along with the movement of the glove box. The isolator sy stem is characterized in that a extend on an upper surface side of a c eiling portion of the operation room from connection port part which is det

~~achably constituted by a terminal part~~portions which are provided in the ceiling portion and are configured to be detachable from a distal end portion of the indoor ~~exhaust pipe part is provided on a ceiling part of the operation room and an outdoor exhaust pipe part which extends from the connection port part to an upper surface side of the ceiling part is provided~~side exhaust pipe portion in a state where the glove box is connected to the reaction vessel.