CLAIMS

~~1. An isolator system comprising:~~
~~a~~

1. The glove box ~~that~~ includes an operation ~~portion~~part 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 ~~a~~in gas into the glove box~~; an~~ ;

An exhaust port connected to an exhaust pipe for exhaustin g ~~the~~ gas in the glove box~~; and~~

~~a~~ ;

A flow rate ~~regulation~~adjusting mechanism ~~that regulates~~for a djusting an exhaust flow rate of the gas~~, which is exhausted~~ d ischarged from the exhaust port to the exhaust pipe~~,~~ to an e xhaust flow rate ~~where~~capable of generating a differential p ressure ~~which is set in advance can be formed~~ preset between th e ~~operation~~operating space and the outside of the glove box b y a differential pressure forming ~~portion~~part provided in th e intake port~~.~~

~~2. The isolator system according to claim 1,~~

~~wherein the exhaust flow rate is set such that in a case w here the operation portion falls off from the glove box, the gas which passes through a damage opening formed in the glove box f~~

~~lows in at a lowest air speed or greater which is set in advance~~

~~.~~

~~3. The isolator system according to claim 1,~~

~~wherein the exhaust flow rate is set at an exhaust flow rate which is obtained by adding an exhaust flow rate, which is equivalent to a change speed of an internal volume of the glove box when the internal volume decreases, to the exhaust flow rate where the differential pressure which is set in advance can be formed.~~

~~4. The isolator system according to claim 1,~~

~~wherein the differential pressure forming portion is a filter.~~

~~5. The isolator system according to claim 1,~~

~~wherein the differential pressure forming portion is a differential pressure regulation valve.~~

~~6. The isolator system according to claim 1,~~

~~wherein the glove box is provided in an operation room into which a supply amount of the gas from outside is restricted, the intake port takes the gas in from the operation room, and the exhaust pipe exhausts the gas in the glove box outside the operation room.~~

~~7. The isolator system according to claim 1,~~

~~wherein the glove box is provided in an operation room, the exhaust pipe exhausts the gas in the glove box outside the~~

operation room, and the flow rate regulation mechanism is provided outside the operation room.

8. The isolator system according to claim 1, further comprising:

a ;

A partition member which partitions an inside of the glove box is partitioned into the operation space and a buffer space wherein which the exhaust port is formed, and in which has a communication port is formed to communicate the operation space and the buffer space with each other; and

a;

A buffer side gas supply unit that includes theprovided with an air intake port and suppliessupplying a buffer gas to the buffer space.

9. ;

The isolator system according to claim 8, wherein the buffer side gas supply unit includesis 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 :

a supply stop mechanism 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 for stopping supply of a buffer gas so that gas passing through the damagebroken opening flows in at a lowestan air speed or greater which is set in advance.equal to or higher than a preset minimum wind speed.

10. 2. The isolator system according to claim 9,

1, wherein, in athe case where the damagebroken openin
g is formed, when athe supply stop mechanism is provided wit
h the differential pressure which is measured by athe differ
ential pressure measurementmeasuring unit provided in order
to

measurefor measuring the differential pressure between the operation space and the outside of the glove box and the operation space reaches a negative pressure withof a predetermined magnitude set in advance, the supply stop mechanism stops supplyingof the buffer gas is stopped.

11. The isolator system according to claim 8, further comprising:

3. The glove box includes an operation part including a glove for performing an internal operation, and forms an operation space isolated from the outside.

An 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 rate of the gas discharged from the exhaust port to the exhaust pipe to an exhaust flow rate capable of generating a differential pressure preset between the operating space and the outside of the glove box by a differential pressure forming part provided in the intake port ;

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

A buffer side gas supply unit that suppliespart provided with an intake port and supplying buffer gas to the buffer space ;

An operation space side gas to thesupply part for supplying

an operation space~~; and~~

~~a~~ gas to the operation space ;
A filter provided in the communication port~~,~~

~~wherein the~~ is provided.

The buffer gas is ~~atmospheric air~~an atmosphere, and the oper

ation space gas is an inert gas~~, and~~
~~wherein a~~.
The flow rate of the gas for an operation space ~~gas~~ supplied f
rom the operation space side gas supply unit is set ~~at a flow rate where~~as follows : The isolator system is characterized in that a pressure loss ~~occurring~~generated when the buffer gas p
asses through ~~a~~the differential pressure forming ~~portion~~part
of the buffer ~~side~~ gas supply ~~unit becomes larger~~part is set to be higher than a pressure loss ~~occurring~~generated when the op
eration space gas passes through the filter.

~~12. The isolator system according to claim 1, further comprising:~~

~~a travel path that extends along an arrangement direction of a plurality of reaction vessels and is~~

4. The glove box includes an operation part including a glov
e for performing an internal operation, and forms an operati
on space isolated from the outside.

An 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 flo
w rate of the gas discharged from the exhaust port to the ex
haust pipe to an exhaust flow rate capable of generating a d
ifferential pressure preset between the operating space and

the outside of the glove box by a differential pressure forming part provided in the intake port ;

A traveling path extending along the arrangement direction of the reaction vessels and arranged above the reaction vessels in an operation ~~room where the~~chamber in which a plurality of reaction

vessels connectable to the glove box are arranged~~;~~

~~a~~, respectively ;

A traveling body ~~that is~~ provided ~~to be movable~~movably along t he ~~travel~~traveling path in a state ~~where the traveling body is~~ supported ~~on~~by the ~~travel~~traveling path~~; and~~

~~a~~ ;

A suspension ~~support portion~~supporting part for suspending and supporting the glove box ~~in a suspended manner~~ from the travel ing body~~.~~

~~13.~~ is provided.

The ~~isolator system according to claim 12,~~ ~~wherein the~~ exhaust pipe is connected to the exhaust port, and ~~t he exhaust pipe includes an indoor side exhaust pipe portion that mo ves along the travel path as the glove box moves, and outdoor side ex haust pipe portions that are~~is provided at a plurality of locatio ns ~~to correspond~~corresponding to the plurality of reaction vesse ls, and ~~extend on an upper surface side of a ceiling portion of the operation room from~~ is provided at a plurality of locations corre sponding to the plurality of reaction vessels, in the indoor si de exhaust pipe portion which moves along the traveling path al ong with the movement of the glove box. The isolator system is c haracterized in that a connection port ~~portions which are provide d in the ceiling portion and are configured to be detachable from a d istal end portion~~part which is detachably constituted by a termi nal part of the indoor ~~side~~ exhaust pipe ~~portion in a state where the glove box is connected to the reaction vessel~~part is provided o n a ceiling part of the operation room and an outdoor exhaust pi pe part which extends from the connection port part to an upper surface side of the ceiling part is provided.