CLAIMS

Claim 1

A vacuum switch for interrupting a single-phase alternating current, comprising:

three vacuum valves (VI) for a three-phase alternating current which are coupled together in series.

Claim 2

The vacuum switch according to claim 1, wherein the three vacuum valves for a three-phase alternating current are coupled together in such a manner that a current flows through the adjacent vacuum valves in the same direction.

Claim 3

The vacuum switch according to claim 1, wherein the three vacuum valves for a three-phase alternating current are coupled together in such a manner that a current flows through the adjacent vacuum valves in different directions.

Claim 4

The vacuum switch according to any one of claims 1 to 3, wherein the three vacuum valves for a three-phase alternating current are coupled together in such a manner that adjacent vacuum valves are coupled together through a solid insulated busbar.

Claim 5

The vacuum switch according to any one of claims 1 to 4, wherein the three vacuum valves for a three-phase

alternating current are collectively molded.

Amendments under Article 19(1) of Patent Cooperation Treaty

CLAIMS

Claim 1 (Amended)

A vacuum switch for interrupting a single-phase alternating current, comprising:

three vacuum valves (VI) for a three-phase alternating current;

a vacuum circuit breaker including the three valves; and

a cradle configured to store the vacuum circuit breaker and including a holder for terminals of the vacuum circuit breaker,

wherein the adjacent vacuum valves are coupled together by solid insulated busbars through the terminals extending out of the cradle, and

wherein the three vacuum valves are coupled together in series.

Claim 2

The vacuum switch according to claim 1, wherein the three vacuum valves for a three-phase alternating current are coupled together in such a manner that a current flows through the adjacent vacuum valves in the same direction.

Claim 3

The vacuum switch according to claim 1, wherein the three vacuum valves for a three-phase alternating current are coupled together in such a manner that a current flows through the adjacent vacuum valves in different directions.

Claim 4 (Cancelled)

Claim 5 (Amended)

The vacuum switch according to any one of claims 1 to 3, wherein the three vacuum valves for a three-phase alternating current are collectively molded.

CLAIMS

Claim 1

A vacuum circuit breaker, comprising:

an operation mechanism which operates a movable rod through a shaft;

a vacuum switch for interrupting or passing a single phase alternating current when the operation mechanism operates the movable rod, the vacuum switch including three vacuum valves, which each includes electrodes, for a three phase alternating current; and

a case configured to store the three vacuum valves,

wherein an operation force is transmitted to the electrodes of the three vacuum valves to interrupt or pass the single phase alternating current by fixing the shaft and operating the operation mechanism,

wherein the three valves of the vacuum switch are juxtaposed in the case,

wherein the three vacuum valves are coupled together in series by solid insulated busbars out of the case, the solid insulated busbars including a first solid insulated busbar which couples the adjacent vacuum valves with each other through terminals extending out of the case from the three vacuum valves and a second solid insulated busbar which couples the vacuum switch to a power supply side or a load side,

wherein the three vacuum valves are coupled together in

such a manner that a current flows through the adjacent vacuum valves in the same direction, and

wherein the three vacuum valves are collectively molded.