

Title (en)

GAS-INSULATED SWITCHING DEVICE

Title (de)

GASISOLIERTE SCHALTVORRICHTUNG

Title (fr)

DISPOSITIF DE COMMUTATION À ISOLATION GAZEUSE

Publication

EP 4277056 A1 20231115 (EN)

Application

EP 21917457 A 20210107

Priority

JP 2021000290 W 20210107

Abstract (en)

The present invention has such a configuration that: a fixed-side terminal (1) is provided with an electric field relaxing shield (12d) at a portion opposite to a movable-side terminal (2); an electric field relaxing shield unit (12) is capable of moving toward the movable-side terminal (2); and functions are separated such that an energization function is performed by the fixed-side terminal (1) and a function for relaxing an electric field between the terminals is performed by the electric field relaxing shield unit (12). When the fixed-side terminal (1) and the movable-side terminal (2) are relatively close to each other, the electric field of the blocking electrode (8) is relaxed and a restrike due to a recovery voltage rising when a circuit is opened can be restrained. Thus, a speed for driving the blocking electrode (8) can be lowered.

IPC 8 full level

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