

Title (en)
RESONANT CIRCUIT FOR DISCONNECT SWITCH

Title (de)
SCHWINGKREIS FÜR TRENNSCHALTER

Title (fr)
CIRCUIT RÉSONANT POUR COMMUTATEUR DE DÉCONNEXION

Publication
EP 4260463 A1 20231018 (EN)

Application
EP 20965277 A 20201210

Priority
US 2020064217 W 20201210

Abstract (en)
[origin: WO2022125094A1] A disconnect switch includes a main switching device including a thyristor configured and operable to selectably close and open a main circuit between a first terminal and a second terminal. A resonant circuit is operatively coupled with the first terminal and the second terminal in parallel with the main switching device and includes a capacitor and switching devices configured and operable to selectably close and open an auxiliary circuit. In a closed state, the auxiliary circuit commutates current from the main circuit through the capacitor and applies a voltage of the capacitor effective to bias the thyristor toward an open circuit state.

IPC 8 full level
H03K 17/56 (2006.01); **H02M 1/08** (2006.01); **H02M 1/088** (2006.01); **H03K 17/72** (2006.01)

CPC (source: EP)
H02J 3/04 (2013.01); **H03K 17/0403** (2013.01); **H03K 17/08108** (2013.01); **H03K 17/72** (2013.01); **H02H 9/001** (2013.01); **H02M 1/088** (2013.01)

Designated contracting state (EPC)
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Designated extension state (EPC)
BA ME

Designated validation state (EPC)
KH MA MD TN

DOCDB simple family (publication)
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US 2020064217 W 20201210; CN 202080108354 A 20201210; EP 20965277 A 20201210