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AWAD et al.(10) **Pub. No.: US 2022/0399889 A1**(43) **Pub. Date: Dec. 15, 2022**(54) **SUPPLY VOLTAGE SELECTION DEVICE
WITH CONTROLLED VOLTAGE AND
CURRENT SWITCHING OPERATIONS**(71) Applicant: **COMMISSARIAT A L'ENERGIE
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(57)

ABSTRACT

A selection circuit architecture makes it possible to perform upward and/or downward transitions in sets of sequences of slow and fast phases so as at the same time to solve the problems of inductive switching noise and the problems of currents in the supply rails. This solution has multiple advantages linked to the ease of implementation and flexibility of configurations that are possible for adapting to the specific constraints when designing the circuit.

