

Title (en)

ZERO EXCESS ENERGY STORAGE TRANSFORMER

Title (de)

TRANSFORMATOR MIT EINEM ENERGIESPEICHER MIT NULL ÜBERSCHUSS

Title (fr)

TRANSFORMATEUR DE STOCKAGE D'ÉNERGIE À EXCÈS NUL

Publication

**EP 4376035 A2 20240529 (EN)**

Application

**EP 24167785 A 20210930**

Priority

- US 202017038958 A 20200930
- EP 21200059 A 20210930

Abstract (en)

A drive circuit configured to drive a load, the circuit comprising a transformer (1212, 2412), the transformer (1212, 2412) comprising a transformer primary comprising one or more primary windings (1712) connected to arms (1702) that pass through a magnetic material (1718), a transformer secondary comprising secondary windings (1714) connected to planar secondary conductors (1708) which pass through the inside of the arms (1702), a voltage source (2426) configured to apply a voltage across the transformer primary.

IPC 8 full level

**H01F 27/40** (2006.01)

CPC (source: EP)

**H01F 27/2885** (2013.01); **H01F 27/2895** (2013.01); **H01F 27/346** (2013.01); **H01F 27/363** (2020.08); **H01F 27/402** (2013.01); **H01F 30/06** (2013.01)

Designated contracting state (EPC)

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DOCDB simple family (publication)

**EP 3979276 A1 20220406**; **EP 3979276 B1 20240515**; EP 4376035 A2 20240529; EP 4376035 A3 20240731

DOCDB simple family (application)

**EP 21200059 A 20210930**; EP 24167785 A 20210930