

Title (en)
Bell transformer

Title (de)
Klingeltransformator

Title (fr)
Transformateur de sonnerie

Publication
EP 1134961 B1 20110216 (DE)

Application
EP 00127623 A 20001216

Priority
• DE 10012599 A 20000315
• DE 10045511 A 20000913

Abstract (en)
[origin: EP1134961A2] The transformer has a primary permanently connected to an a.c. source and a secondary for connection to a load. The primary is in series with a resistor with a parallel bridge with a switching element and the secondary is in series with a current sensing circuit forming a switch drive. The switch element is opened in idle mode when the secondary circuit is open and closed in loaded mode so the a.c. source voltage is the input voltage. The transformer has a primary coil (Le) permanently connected to an a.c. source (N) and a secondary coil (La) for connection to a load. The transformer primary is connected in series with a resistor (Rv) with a parallel bridge (12) with a switching element (S) and the secondary coil is connected in series with a current sensing circuit (I) forming a drive for the switch. The switch element is opened in idle mode when the secondary circuit is open and is closed in loaded mode so that the a.c. source voltage is applied as the input voltage.

IPC 8 full level
H04M 11/02 (2006.01); **H01F 27/40** (2006.01); **H01F 27/42** (2006.01); **H02J 9/00** (2006.01); **H02M 5/12** (2006.01)

CPC (source: EP)
H01F 27/42 (2013.01)

Cited by
DE102005015724A1; WO2017119699A1; WO2017122960A1; WO2012041147A1

Designated contracting state (EPC)
DE FR GB

DOCDB simple family (publication)
EP 1134961 A2 20010919; EP 1134961 A3 20030319; EP 1134961 B1 20110216

DOCDB simple family (application)
EP 00127623 A 20001216