

Title (en)  
High-capacity transformer.

Title (de)  
Hochleistungsübertrager.

Title (fr)  
Transformateur de haute puissance.

Publication  
**EP 0253298 A1 19880120 (DE)**

Application  
**EP 87109879 A 19870708**

Priority  
DE 3623290 A 19860710

Abstract (en)  
[origin: US4829417A] The secondary winding of a high power transformer for clocked power supplies is composed of a plurality of skeins extending parallel to one another which are, in turn, constructed of a plurality of stranded conductors extending parallel to one another, whereby the stranded conductors are composed of wire-shaped individual conductors respectively provided with an insulating surface and twisted or woven with one another. All stranded conductors are electrically and mechanically connected to one another at both ends of their respective skeins and all skeins are connected to one another at one end of the secondary winding and connected to one another across respective rectifiers at the other end thereof.

Abstract (de)  
Die Sekundärwicklung (SW) eines Hochleistungsübertrager (Ü) für getaktete Stromversorgungen besteht aus mehreren zueinander parallel liegenden Strängen (ST), die ihrerseits aus mehreren zueinander parallel liegenden Litzen (L) gebildet sind. Die Litzen (L) eines jeweiligen Stranges (ST) sind an beiden Enden elektrisch und mechanisch miteinander verbunden. Die Stränge (ST) sind an einem Ende der Sekundärwicklung (SW) elektrisch und mechanisch und am anderen Ende der Sekundärwicklung (SW) über je ein Gleichrichterelement (GD) elektrisch miteinander verbunden.

IPC 1-7  
**H01F 27/28**; **H01B 7/30**

IPC 8 full level  
**H01B 7/30** (2006.01); **H01F 27/28** (2006.01)

CPC (source: EP US)  
**H01B 7/303** (2013.01 - EP US); **H01F 27/2823** (2013.01 - EP US)

Citation (search report)  
• [AD] FR 1198126 A 19591204 - ACEC  
• [AD] EP 0133220 A2 19850220 - KABEL & LACKDRAHTFAB GMBH [DE]  
• [A] US 4431860 A 19840214 - PERCO DANIEL D [CA], et al  
• [A] EP 0165845 A1 19851227 - BULL SEMS [FR]  
• [A] FR 2030910 A5 19701113 - FELTEN & GUILLEAUME KABELWERK

Designated contracting state (EPC)  
AT BE CH DE ES FR GB GR IT LI NL SE

DOCDB simple family (publication)  
**EP 0253298 A1 19880120**; **EP 0253298 B1 19910410**; AT E62561 T1 19910415; DE 3769223 D1 19910516; ES 2021306 B3 19911101; GR 3001865 T3 19921123; US 4829417 A 19890509

DOCDB simple family (application)  
**EP 87109879 A 19870708**; AT 87109879 T 19870708; DE 3769223 T 19870708; ES 87109879 T 19870708; GR 900401174 T 19910426; US 7141187 A 19870709