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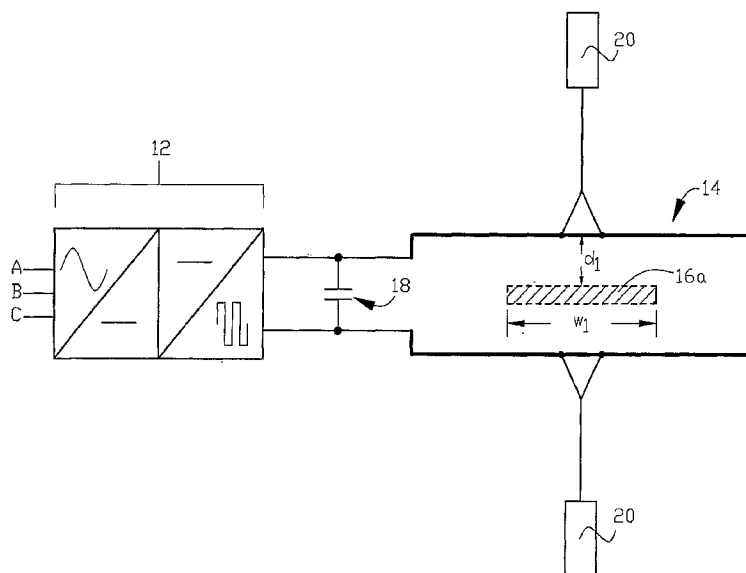
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(57) Abstract: One or more sections of a solenoidal induction coil are moved relative to the surface of a strip passing through the coil as one or more parameters of the strip change to affect the impedance of the load circuit, while the output frequency of the power supply providing power to the coil via a capacitive element is changed so that the power supply's load circuit continues to operate at substantially resonant frequency.

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INTERNATIONAL SEARCH REPORT

International application No.

PCT/US07/00276

A. CLASSIFICATION OF SUBJECT MATTER

IPC(8) - H05B 6/40 (2007.01)

USPC - 219/653

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC(8) - H05B 6/40 (2007.01)

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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

MicroPatent

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 6,963,056 B1 (PEYSAKHOVICH et al) 08 November 2005 (08.11.2005) entire document	1-15
Y	US 6,628,404 B1 (KELLEY et al) 30 September 2003 (30.09.2003) entire document	1-15
Y	US 4,602,139 A (HUTTON et al) 22 July 1986 (22.07.1986) entire document	3-7, 9, 13
Y	US 6,963,057 B1 (SWANGER et al) 08 November 2005 (08.11.2005) entire document	5, 7, 9, 11, 13, 15
Y	US 2004/0263412 A1 (PRIBYL) 30 December 2004 (30.12.2004) entire document	1-15
Y	US 6,730,894 B2 (THOMPSON et al) 04 May 2004 (04.05.2004) entire document	6, 7, 10, 11, 14, 15
A	US 6,455,825 B1 (BENTLEY et al) 24 September 2002 (24.09.2002) entire document	1-15

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