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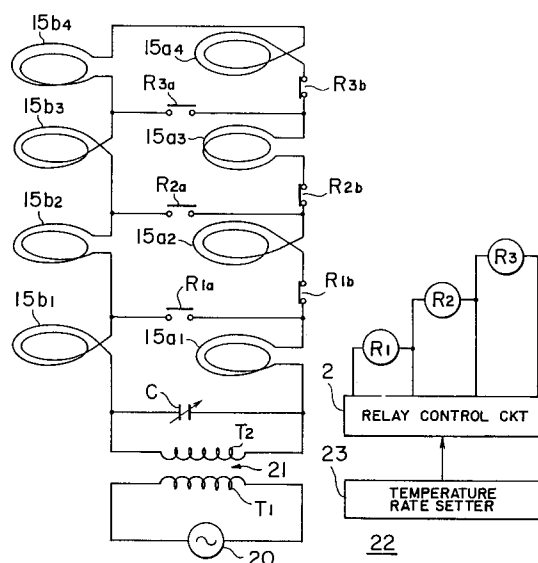
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17.06.92 Bulletin 92/25(71) Applicant: **SUMITOMO HEAVY INDUSTRIES, LTD**
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W-8000 München 80(DE)(54) **Electromagnetic induction heater capable of realizing a wide variety of heating rates.**

(57) In an electromagnetic induction heater for use in heating, by electromagnetic induction, a strip which is transported in a predetermined direction, a plurality of coil elements (15a,b) are selectively supplied from a power source (20) or sources with currents under control of a power controller (22). The power controller (22) has a plurality of relays (R1,R2,R3) which are selectively operable under control of a relay control circuit (2) and which have contacts (R1a...R3b) connected to the coil elements (15a,b). With this structure, the coil elements (15a,b) are selectively energized to locally generate magnetic fields, which serves to realize a wide variety of heating rates.

F I G. 3**EP 0 487 832 A3**



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EUROPEAN SEARCH REPORT

Application Number

EP 91 11 3800

DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl.5)
X	WO-A-8 501 532 (VALMET OY) * claims 1,4,9 * ---	1-5	H05B6/06 H05B6/02
P,X	WO-A-9 103 916 (*OTTO JUNKER GMBH.*) *abstract* * figure 2 * ---	1-5	
A	DE-B-1 006 545 (SIEMENS-SCHUCKERTWERKE) ---		
A	DE-B-1 192 343 (SIEMENS-SCHUCKTERWERKE) -----		
The present search report has been drawn up for all claims			TECHNICAL FIELDS SEARCHED (Int. Cl.5)
Place of search THE HAGUE			H05B
Date of completion of the search 16 APRIL 1992			
Examiner Gagliardi			
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