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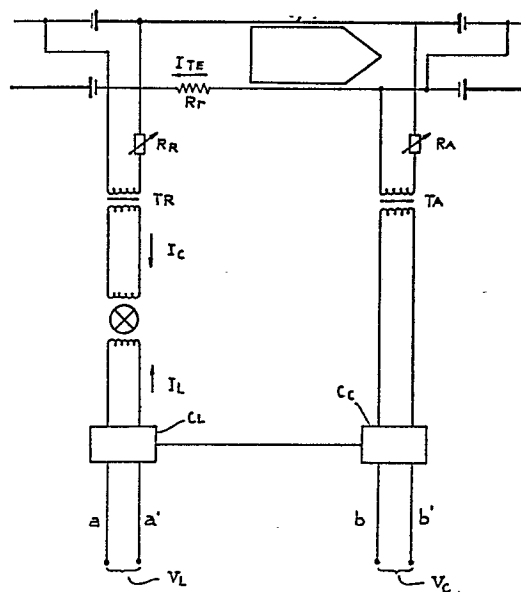
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54 **Device for the protection of track relays from electrical disturbances.**

57 The object of the invention is a device for protecting track relays (9), controlled by two voltages V_I and V_L having a phase difference of 90° , utilized in so-called «single-track» track circuits.

According to the invention, the supply voltage V_c applied to the track circuit and the local voltage V_L applied to the track relay (9) are supplied through polarity change switches CC and CL.





European Patent
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EUROPEAN SEARCH REPORT

0202200

Application Number

EP 86 83 0103

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. 4)
X	DE-C- 737 653 (VEREINIGTE EISENBAHN-SIGNALWERKE GmbH) * Whole document * ---	1-5	B 61 L 1/18
X	DE-C- 904 553 (SIEMENS & HALSKE AG) * Whole document * -----	1-5	
			TECHNICAL FIELDS SEARCHED (Int. Cl. 4)
			B 61 L
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 19-09-1988	Examiner REEKMANS M.V.
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons ----- & : member of the same patent family, corresponding document			