

Title (en)  
RAILWAY CONTROL COMMUNICATION SYSTEM

Publication  
**EP 0005968 A3 19800109**

Application  
**EP 79300940 A 19790525**

Priority  
GB 2401678 A 19780530

Abstract (en)  
[origin: EP0005968A2] An electronic or computer-based railway control system wherein control signals are transmitted between a control or interlocking room and wayside or track equipment by means of time division multi-plexed signals. Several such T.D.M. communication systems are employed in parallel to provide redundancy, and each address location has a majority voting circuit, to determine a correct signal in the event of disagreement between signal, and an out-of-coincidence circuit to indicate which system is carrying the erroneous signal.

IPC 1-7  
**B61L 7/08**; **B61L 19/06**

IPC 8 full level  
**B61L 7/08** (2006.01); **B61L 19/06** (2006.01)

CPC (source: EP)  
**B61L 7/08** (2013.01); **B61L 19/06** (2013.01)

Citation (search report)

- DE 1244229 B 19670713 - SIEMENS AG
- US 3755628 A 19730828 - HUGHES I, et al
- US 3538498 A 19701103 - GAMES JOHN E, et al
- GEC JOURNAL OF SCIENCE AND TECHNOLOGY, Vol. 40, No. 3, 1973 Wenbley-Middlesex GOLDSBROUGH: "Railway re-signalling for electrification on british railways scottish region" pages 90 to 97. \* Page 94, right-hand column, paragraph "Remote control" to page 95, left-hand column, line 8 \*
- TECHNISCHE RUNDSCHAU, Vol. 64, No. 16, April 1972, Bern NOCK: "Eisenbahnsteuerungen mit Computern", pages 51 and 53. \* Page 53, columns 2 and 3; paragraph "Anwendung bei den Hauptstrecken" \*

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**EP 79300940 A 19790525**; AU 4745679 A 19790528; ES 481081 A 19790530; GB 2401678 A 19780530; IT 6816079 A 19790529; ZA 792481 A 19790522