

Title (en)  
CIRCUIT FOR SERIAL DATA TRANSMISSION

Publication  
**EP 0229948 A3 19890426 (DE)**

Application  
**EP 86116724 A 19861202**

Priority  
DE 3545293 A 19851220

Abstract (en)  
[origin: EP0229948A2] The circuit arrangement comprises a transmitting device with several bit-parallel input information items, a serial data transmission link and a receiving device via which the transmitted data are appropriately converted into bit-parallel output information items for activating control elements or logic circuits, in which arrangement the data to be transmitted on the data transmission link form a data word which is composed of a start pulse, several information elements corresponding to the number of bit-parallel input information items which form one data block, and a defined data pause. By cascading several similar transmitting and receiving devices, the number of bit-parallel input and output information items can be changed, as a result of which the data word on the data transmission link is also changed by sequential adding-together of a corresponding number of data blocks having in each case the same number of information elements. <IMAGE>

IPC 1-7  
**G08C 15/12**; **G08C 25/00**; **B60R 16/02**

IPC 8 full level  
**H04L 25/02** (2006.01); **B60R 16/02** (2006.01); **G08C 15/12** (2006.01); **G08C 25/00** (2006.01); **H04L 25/40** (2006.01)

CPC (source: EP US)  
**G08C 15/12** (2013.01 - EP US); **G08C 25/00** (2013.01 - EP US)

Citation (search report)

- [Y] CA 1170723 A 19840710 - UNITED CARR DIVISION OF TRW CA
- [Y] US 4227075 A 19801007 - HOLLAND JOHN M
- [Y] EP 0153434 A1 19850904 - BB BETEILIGUNGS U VERWALTUNGS [DE]
- [Y] US 3980956 A 19760914 - WOOLLING JR KENNETH RAU
- [Y] ELECTRONIC DESIGN, Band 30, Nr. 8, 15. April 1982, Seite 209, Waseca, MN, Denville, New York, US; S. NEWMAN: "Receiver, transmitter, wire pair report status of 8 switches"
- [Y] TECHNISCH BULLETIN, Nr. 216, Juli 1973, Seiten 1,2, Koning en Hartman, Den Haag, NL; N.N.: "Telemetrie zonder overbodige ballast"

Cited by  
FR2647998A1

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**EP 0229948 A2 19870729**; **EP 0229948 A3 19890426**; **EP 0229948 B1 19930317**; DE 3545293 A1 19870702; DE 3545293 C2 19890105; DE 3688060 D1 19930422; JP H0771087 B2 19950731; JP S62159548 A 19870715; US 5067076 A 19911119

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