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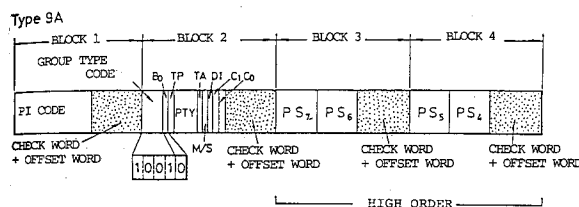
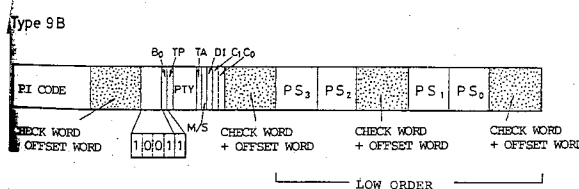
0 495 136 A3

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22.07.92 Bulletin 92/30(84) Designated Contracting States:
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17.03.93 Bulletin 93/11(71) Applicant: **PIONEER ELECTRONIC CORPORATION**
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Dr. F. Zumstein Dipl.-Ing. F. Klingseisen
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W-8000 München 2 (DE)(54) **Method of transmitting data in RDS broadcasting.**

(57) A data transmitting method in the RDS broadcasting in which, when a data group of a group unit comprising four blocks is inserted into a radio broadcasting wave and transmitted, data is effectively inserted into each block and inserted data can be effectively used upon reception. According to the first feature, high order four digits and low order four digits of the PS data of at most eight digits are respectively transmitted as the data in the third and

fourth blocks in each group, so that the broadcasting station name can be promptly displayed. As another feature, the PI code of the station itself is transmitted as the PI code in the first block in one group and, if a station which broadcasts a program different from the program of the station itself for only a predetermined time zone exists in the same network stations, the PI code of such a station is transmitted as the PI code in the third block.

FIG. 3A**FIG. 3B****EP 0 495 136 A3**



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EUROPEAN SEARCH REPORT

Application Number

EP 91 10 0403

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)
A	EUROPEAN BROADCASTING UNION, tech. 3244-E, March 1984, pages 1-60, Brussel, BE; "Specifications of the radio data system RDS for VHF/FM sound broadcasting" * Page 17, paragraph 1.3.1 * ---	1,2	H 04 H 1/00
A	PATENT ABSTRACTS OF JAPAN, vol. 13, no. 243 (E-768), 7th June 1989; & JP-A-01 044 630 (PIONEER ELECTRONIC CORP.) * Abstract * ---	1,2	
A	EP-A-0 305 172 (BRITISH BROADCASTING CORP.) * Page 2, line 32 - page 3, line 18 * ---	3	
A	WO-A-9 010 981 (N.V. PHILIPS' GLOEILAMPENFABRIEKEN) * Page 3, lines 7-33 * ---	3	
A	WO-A-9 007 237 (BRITISH BROADCASTING CORP.) * Claims * -----	3	TECHNICAL FIELDS SEARCHED (Int. Cl.5) H 04 H G 08 G H 03 J
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 11-12-1992	Examiner GASTALDI G.L.
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			



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CLAIMS INCURRING FEES

The present European patent application comprised at the time of filing more than ten claims.

- ☐ All claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for all claims.
- ☐ Only part of the claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for the first ten claims and for those claims for which claims fees have been paid,
namely claims:
- ☐ No claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for the first ten claims.

LACK OF UNITY OF INVENTION

The Search Division considers that the present European patent application does not comply with the requirement of unity of invention and relates to several inventions or groups of inventions,
namely:

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- ☒ All further search fees have been paid within the fixed time limit. The present European search report has been drawn up for all claims.
- ☐ Only part of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the inventions in respect of which search fees have been paid,
namely claims:
- ☐ None of the further search fees has been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the invention first mentioned in the claims,
namely claims:



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LACK OF UNITY OF INVENTION

The Search Division considers that the present European patent application does not comply with the requirement of unity of invention and relates to several inventions or groups of inventions, namely:

1. Claims 1,2: A transmitting method for transmitting broadcasting station name data indicative of a broadcasting station name.
2. Claim 3: A transmitting method of a PI code in an RDS broadcasting.