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Communications scrambling systems.

Scrambled communications signalling uses signals as transmitted and received that are coded by reorganisation of binary words representing original information signals. That reorganisation not only produces different sequences of blocks of binary words but also provides for variation of the lengths and numbers of such blocks (via memori M100-M115) within each reorganisation. In addition the blocks are read out in reverse order to their storage, and the preferred organisation is via a logic type pseudo random generator that must be synchronised and "seeded" at both transmitter and receiver prior to any transmission.

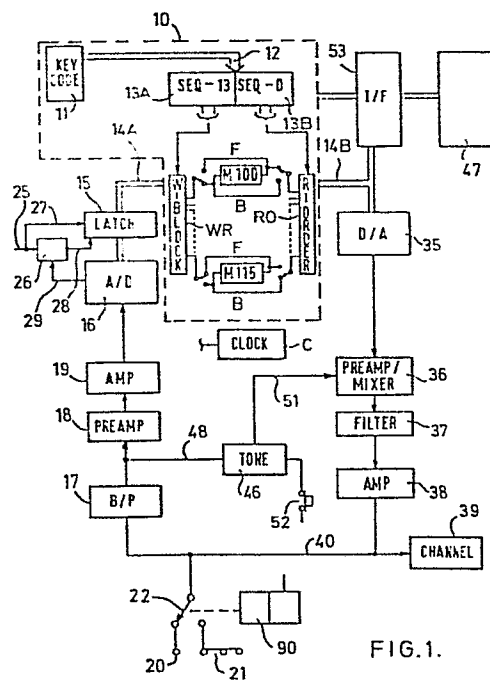


FIG. 1.



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. 3)
X	DE-C-2 307 441 (LICENTIA) * Column 2, lines 20-27 and line 54 - column 3, line 31, lines 53-61; column 6, lines 17-22 *	1,3,7	H 04 K 1/06
Y	---	2	
Y	FR-A-2 379 947 (S.E.C.R.E.) * Figure 1 *	2	
X	1980 CARNAHAN CONFERENCE ON CRIME COUNTERMEASURES, 14th-16th May 1980, Lexington, Kentucky, pages 27-37, New York, US; S. UDALOV: "Analog voice privacy with a microprocessor" * Page 27, right-hand column, lines 17-24; page 35, left-hand column, last paragraph - right-hand column, line 5 *	1,2	
			TECHNICAL FIELDS SEARCHED (Int. Cl. 3)
			H 04 K H 04 L
A	Idem	7	
A	TECHNISCHE RUNDschau, vol. 68, no. 9, 2nd March 1976, page 21, Bern, CH; "Sprachverschleierungsgerät" * Page 21, right-hand column, lines 36-50 *	1	
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The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 22-04-1985	Examiner HOLPER G.E.E.
CATEGORY OF CITED DOCUMENTS		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	
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		& : member of the same patent family, corresponding document	



DOCUMENTS CONSIDERED TO BE RELEVANT			Page 2
Category	Citation of document with indication where appropriate of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl. 3)
P, X	WO-A-8 301 717 (TECHNICAL COMMUNICATIONS) * Page 5, lines 3-12; page 10, line 9 - page 11, line 2 *	1-4, 7	
A	--- US-A-4 229 817 (MORGAN et al.) * Column 3, lines 58-68; column 6, lines 48-49; column 7, lines 35-38 * -----	6, 10	
The present search report has been drawn up for all claims			TECHNICAL FIELDS SEARCHED (Int. Cl. 3)
Place of search THE HAGUE		Date of completion of the search 22-04-1985	Examiner HOLPER G. E. E.
<p>CATEGORY OF CITED DOCUMENTS</p> <p>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</p> <p>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</p> <p>& : member of the same patent family, corresponding document</p>			

EPO Form 1403 (03/82)