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(71) Applicant (for all designated States except US): **EADS TELECOM** [FR/FR]; Rue Jean-Pierre Timbaud, Batiment Jean-Pierre Timbaud, F-78180 Montigny Le Bretonneux (FR).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **ROBBE, Michel** [FR/FR]; 36 bis, rue du Maréchal Maunoury, F-78700 Conflans-Sainte-Honorine (FR). **GUEGNAUD, Hervé** [FR/FR]; 41, rue de Noirmoutier, F-78310 Maurepas (FR).

(74) Agents: **LOISEL, Bertrand** et al.; Cabinet Plasseraud, 65/67, rue de la Victoire, F-75440 Paris Cedex 09 (FR).

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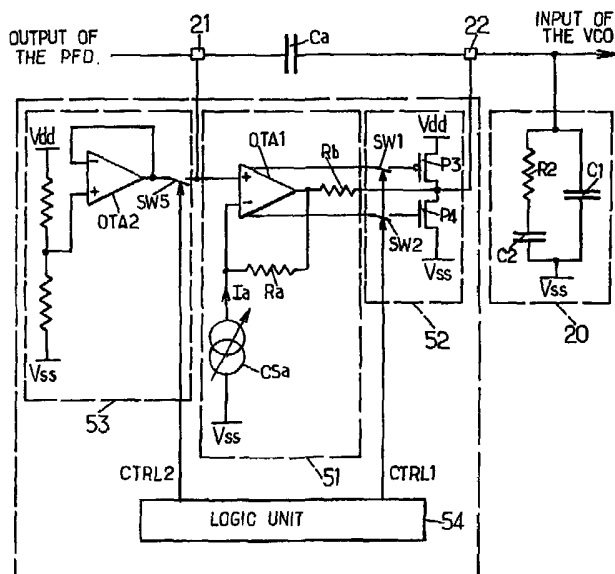
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(54) Title: VOLTAGE SHIFT CONTROL CIRCUIT FOR PLL



(57) Abstract: A PLL structure comprises a PFD, a loop filter and a VCO, as well as a voltage shift capacitor (Ca) coupling the PFD and the VCO. A voltage shift control circuit (50) is placed in parallel with the voltage shift capacitor. This circuit comprises controlled charging means (51), which are designed to charge the voltage shift capacitor according to a channel control signal. It also comprises controlled pre-charging means (52) which are designed to accelerate the charging of the voltage shift capacitor by the controlled charging means. It further comprises controlled biasing means (53), designed to ensure the bias of the input during the pre-charging of the voltage shift capacitor.

INTERNATIONAL SEARCH REPORT

International Application No
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A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 H03L7/187

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
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A	----- EP 0 041 882 A (THOMSON CSF) 16 December 1981 (1981-12-16) page 2, line 42 - line 50; figure 3	1-14
A	----- EP 0 664 617 A (JAPAN RADIO CO LTD) 26 July 1995 (1995-07-26) column 11, line 34 - column 15, line 5; figures 1,2	1-14
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☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Boudet, J

INTERNATIONAL SEARCH REPORT

International Application No
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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

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