

Title (en)  
CMOS OUTPUT AMPLIFIER INDEPENDENT OF TEMPERATURE, SUPPLY VOLTAGE AND MANUFACTURING QUALITY OF TRANSISTORS

Title (de)  
CMOS AUSGANGSVERSTÄRKER UNABHÄNGIG VON TEMPERATUR,SPEISESPANNUNG UND DER HERSTELLUNGSQUALITÄT SEINER TRANSISTOREN

Title (fr)  
AMPLIFICATEUR DE SORTIE CMOS INDEPENDANT DE LA TEMPERATURE, DE LA TENSION D'ALIMENTATION ET DE LA QUALITE DE FABRICATION DE SES TRANSISTORS

Publication  
**EP 1040580 A1 20001004 (FR)**

Application  
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Priority  
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Abstract (en)  
[origin: FR2781621A1] The circuit comprises a constant current reference source (26) providing an output which is independent of temperature, supply voltage and the intrinsic parameters of the circuit transistors. There is a variable current source (28) providing an output which varies inversely with temperature, supply voltage and transistor parameters. There is also a mechanism (22,24) for reducing the operating speed of the circuit when the difference in the two currents increases, by reducing the speed of the command signals.

IPC 1-7  
**H03K 19/003**; H03L 7/099; H03K 3/03

IPC 8 full level  
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CPC (source: EP US)  
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