

Title (en)

METHOD FOR DETERMINING THE SIZING OF THE TRANSISTORS OF AN ANALOG CIRCUIT

Title (de)

VERFAHREN ZUR BESTIMMUNG DER GRÖSSE VON TRANSISTOREN EINER ANALOGEN SCHALTUNG

Title (fr)

PROCEDE DE DETERMINATION DU DIMENSIONNEMENT DES TRANSISTORS D'UN CIRCUIT ANALOGIQUE

Publication

EP 3044707 A1 20160720 (FR)

Application

EP 14752908 A 20140728

Priority

- FR 1358839 A 20130913
- FR 2014051956 W 20140728

Abstract (en)

[origin: WO2015036667A1] The invention relates to a method for determining electrical parameter values of the transistors of an analog circuit of a system on chip, wherein said method includes: (100) breaking the circuit down into a set of blocks connected to one another; (110) establishing the wiring diagram of said circuit; (120) defining a set of electrical constraints that are specific to said circuit, blocks and transistors of each block; (130) defining electrical parameters of the circuit, block and transistors; (140) selecting for each transistor of the circuit an operator for calculating the electrical parameter values of said transistor; (150) generating structured diagrams of each block of the circuit from the defined constraints and the chosen operators; (151) assembling said structured diagrams of blocks into a general diagram of the circuit; (160) identifying whether there is any conflict; and, if so, (170) emitting an alarm signal.

IPC 8 full level

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Citation (search report)

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Cited by

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