

Title (en)  
RANDOM NUMBER GENERATOR

Title (de)  
ZUFALLSZAHLENGENERATOR

Title (fr)  
GENERATEUR DE NOMBRES ALEATOIRES

Publication  
**EP 1999569 A1 20081210 (FR)**

Application  
**EP 07731202 A 20070326**

Priority  
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Abstract (en)  
[origin: WO2007110506A1] The invention concerns a random number generator comprising a n-bit LSFR (300), at least one oscillator (100) having at least one delay element (110) introducing a variable delay in the counter feedback loop, and at least on sampling/holding device (200) having at least one input coupled to an output of the oscillator, and at least one output coupled to an input of the LSFR, and a clock input receiving a sampling clock signal (CLKI) at a much lower frequency than the oscillator frequency. Said generator is for example configured to vary the delay introduced by the oscillator delay based on a number q of feedback bits among the n bits of the LSFR output, where q is an integer such that  $1 \leq q \leq n$ .

IPC 8 full level  
**G06F 7/58** (2006.01)

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Cited by  
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