

Patent title:	Use of a semiconductor device for generating random numbers (Uso di un dispositivo semiconduttore per la generazione di numeri casuali)
FBK center:	CMM
Inventor(s):	Massari Nicola (Fondazione Bruno Kessler), Gasparini Leonardo (Fondazione Bruno Kessler), Perenzoni Matteo (Fondazione Bruno Kessler), Pancheri Lucio (Università di Trento)
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Proprietor(s):	Fondazione Bruno Kessler (Bruno Kessler Foundation)
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Patent family:	
Application(s):	Random number generation
Keyword(s):	Quantum random number generator, True random number generator, CMOS technology
Abstract:	The present invention concerns the use of an improved semiconductor device for the generation of random numbers (Random Number Generator, RNG), in particular of truly random numbers, with the extraction based on a quantum physics principle (True Random Number Generator, TRNG). The main advantage is the integration in high-volume and low-cost CMOS technology.