

Title (en)

LITHOGRAPHY USING QUANTUM ENTANGLED PARTICLES

Title (de)

INTERFERENZLITHOGRAPHIE MITTELS QUANTENMECHANISCH VERSCHRÄNKTER PARTIKEL

Title (fr)

LITHOGRAPHIE UTILISANT DES PARTICULES QUANTIQUES ENTREMELEES

Publication

**EP 1203265 A1 20020508 (EN)**

Application

**EP 00961318 A 20000519**

Priority

- US 0013931 W 20000519
- US 13531699 P 19990520
- US 39320099 A 19990910
- US 39345199 A 19990910

Abstract (en)

[origin: WO0075730A1] A system of etching using quantum entangled particles to get shorter interference fringes. An interferometer (100) is used to obtain an interference fringe. N entangled photons are input to the interferometer (100). This reduces the distance between interference fringes by n, where again n is the number of entangled photons.

IPC 1-7

**G03F 7/20**; G03F 9/00

IPC 8 full level

**G03F 7/20** (2006.01); **G03F 7/00** (2006.01)

CPC (source: EP)

**G03F 7/001** (2013.01); **G03F 7/2051** (2013.01); **G03F 7/70375** (2013.01); **G03F 7/70408** (2013.01)

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

**WO 0075730 A1 20001214**; AU 7328800 A 20001228; EP 1203265 A1 20020508; EP 1203265 A4 20060802

DOCDB simple family (application)

**US 0013931 W 20000519**; AU 7328800 A 20000519; EP 00961318 A 20000519