

Title (en)

CONTROLLING CORRELATED QUANTUM STATE PROBABILITY DISTRIBUTIONS

Title (de)

STEUERUNG DER WAHRSCHEINLICHKEITSVERTEILUNGEN DER KORRELIERTEN QUANTENZUSTÄNDE

Title (fr)

COMMANDE DE LA DISTRIBUTION DES PROBABILITES D'ETATS QUANTIQUES CORRELES

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Application

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Abstract (en)

[origin: WO9735388A1] A method and apparatus are disclosed for controlling the quantum state probability distribution of one quantum object (S2 or I1) of a pair of correlated quantum objects (S1 and I1, or S2 and I2), which include providing a pair of correlated quantum objects, each object having a uniform quantum state probability distribution, providing a system (12 and 14) for controlling the quantum state probability distribution of the one quantum object by using said controlling system to choose the probability distribution of the quantum state of the other quantum object (I2 or S1) of said pair of correlated quantum objects, choosing whether to observe the quantum state of the other quantum object, and subsequently observing the quantum state of the one quantum object to determine if the quantum state of the one quantum object has been altered by the observation of the quantum state of the other quantum object.

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