

ABSTRACT

**SIMPLIFIED CLIENT AND ASSOCIATED ARCHITECTURES FOR DELEGATING
QUANTUM COMPUTATIONS TO A QUANTUM SERVER**

A system for delegating a quantum computation from at least one client (10) to
5 a server (20), including: – at least one source (40) adapted to emit a sequence of
quantum states,- wherein the server includes a device (21) for measuring received
quantum states, and at least one quantum component (22) making it possible to carry out
said quantum computation; and said at least one client including an input interface (11) for
receiving said sequence, a transformation device (12) adapted to modify a quantum state
10 of said sequence and an output interface (13) for transmitting said sequence to said
measurement device.

Fig. 1