## ABSTRACT

# DATA PROCESSING METHOD, APPARATUS AND SYSTEM BASED ON PARA-VIRTUALIZATION DEVICE

A data processing method, apparatus and system based on a para-virtualization device are provided. The method comprises: acquiring a plurality of pieces of initial data which are stored in a completion queue of a para-virtualization device, wherein the plurality of pieces of initial data are used for representing description information of original data which has been processed by the para-virtualization device, but has not been submitted to a host; determining a plurality of pieces of first data, which meet a preset condition, among the plurality of pieces of initial data; performing an aggregation operation on the plurality of pieces of first data, so as to generate a first aggregation result; and sending to a memory of the host a direct memory access request that carries the first aggregation result.

Figure 3