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(54) Title: COMPUTER SYSTEM TO SUPPORT FAILOVER IN AN EVENT STREAM PROCESSING SYSTEM

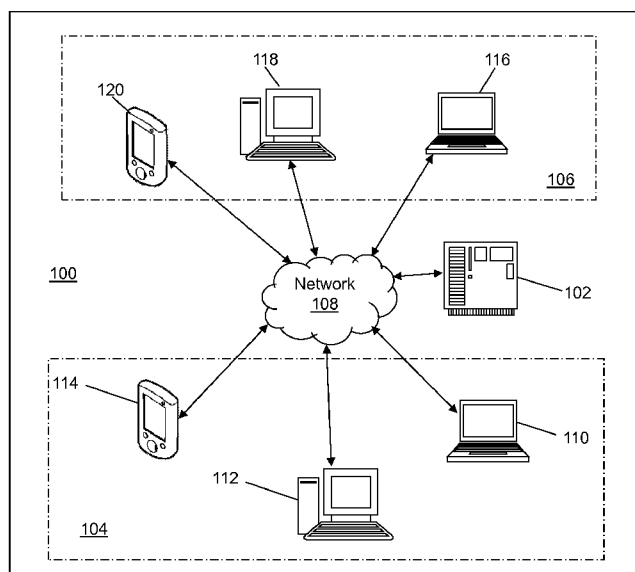


Fig. 1

(57) Abstract: In a computing device supporting a fail-over in an event stream processing (ESP) system, an event block object is received. A first status of the computing device as active or standby is determined. When the first status is active, a second status of the computing device as newly active or not newly active is determined. Newly active is determined when the computing device is switched from a standby to an active status. When the second status is newly active, a last published event block object identifier that uniquely identifies a last published event block object is determined. A next event block object is selected from a non-transitory computer-readable medium accessible by the computing device. The next event block object has an event block object identifier that is greater than the determined last published event block object identifier. The selected next event block object is published to an out-messaging network device.