

CLAIMS

1. A method operable by an electronic apparatus to allocate a job to a user, the method comprising:

receiving, by a communications receiver of the electronic apparatus over a network, an allocation request signal from a terminal of the user;

determining, by a processor of the electronic apparatus, job processing information related to a job processed by the user;

determining, by the processor, a job opening end time associated with at least one of a plurality of jobs;

determining a first score for each of the plurality of jobs based on the job processing information, wherein the job processing information includes job throughput units per hour for a job processed by the user among the plurality of jobs;

allocating, by the processor, at least one job among the plurality of jobs to the user based on: i) a difference between the job opening end time and a time at which the allocation request signal is received and ii) the job processing information, wherein the allocating of the at least one job comprises:

determining a second score based on at least one of: the difference between the job opening end time, the allocation target number, or the actual allocated number,

determining a weight value for the second score, the weight value having an inverse relationship with the difference between the job opening end time and the time at which the allocation request signal is received, and

allocating the at least one job to the user based on a final score determined based on the second score weighted by the weight value and the first score; and

transmitting, by a communications transmitter of the electronic apparatus to the terminal of the user over the network, an allocation response signal indicating the allocated at least one job to the terminal in response to the reception of the allocation request signal.

2. The method of claim 1, wherein the allocating of the at least one job to the user further comprises:

determining an allocation target number and an actual allocated number associated with at least one of the plurality of jobs.

3. The method of claim 1, wherein at least one of the first score and the second score comprises normalized information.
4. The method of claim 1, wherein the determining job processing information related to a job processed by the user comprises:
 - determining which job type of a first job type capable of obtaining information regarding the job processing quantity and a second job type which cannot obtain information regarding the job processing quantity is related to a type of the job processed by the user based on the job processing information.
5. The method of claim 4, wherein the allocating at least one job to the user comprises:
 - determining whether a job included in the job type associated with the user among the first job type and the second job type can be allocated to the user or not.
6. The method of claim 5, wherein the allocating at least one job to the user further comprises:
 - allocating at least one job included in the first job type or the second job type to the user associated with the first job type; and
 - allocating at least one job included in the second job type to the user associated with the second job type.
7. The method of claim 1, further comprising:
 - obtaining work time information related to the user's work time; and
 - determining not to allocate a job to the user if it is determined that the user's abnormal work time is greater than or equal to a preset threshold time based on the work time information.
8. The method of claim 7, further comprising:
 - determining to allocate the at least one job to the user preferentially if it is indicated that the user has continuously worked more than a preset number of times based on the work time information.
9. The method of claim 1, wherein the allocating at least one job to the user comprises:
 - setting a priority to the at least one of the plurality of jobs; and

allocating the at least one job corresponding to the job processing information among the plurality of jobs to the user in the order of highest priority based on the priority.

10. An apparatus for allocating a job to a user, the apparatus comprising:

a communications receiver configured to receive an allocation request signal from a terminal of the user over a network;

a processor configured to:

determine job processing information related to a job processed by the user,

determine a job opening end time associated with at least one of a plurality of jobs,

determine a first score for each of the plurality of jobs based on the job processing information, wherein the job processing information includes job throughput units per hour for a job processed by the user among the plurality of jobs, and

allocate at least one job among the plurality of jobs to the user based on: i) a difference between the job opening end time and a time at which the allocation request signal is received and ii) the job processing information, wherein the allocating of the at least one job comprises:

determining a weight value for the second score, the weight value having an inverse relationship with the difference between the job opening end time and the time at which the allocation request signal is received, and

allocating the at least one job to the user based on a final score determined based on the second score weighted by the weight value and the first score; and

a communications transmitter configured to transmit, to the terminal of the user over the network, an allocation response signal indicating the allocated at least one job to the terminal in response to the reception of the allocation request signal.

11. The apparatus of claim 10, wherein the processor is further configured to:

determine an allocation target number and an actual allocated number associated with at least one of the plurality of jobs.

12. The apparatus of claim 10, wherein at least one of the first score and the second score comprises normalized information.

13. The apparatus of claim 10, wherein the processor is further configured to determine which job type of a first job type capable of obtaining information regarding the job processing quantity and a second job type which cannot obtain information regarding the job processing quantity is related to a type of the job processed by the user based on the job processing information.
14. The apparatus of claim 13, wherein the processor is further configured to determine whether a job included in the job type associated with the user among the first job type and the second job type can be allocated to the user or not.
15. The apparatus of claim 14, wherein the processor is further configured to allocate at least one job included in the first job type or the second job type to the user associated with the first job type, and allocate at least one job included in the second job type to the user associated with the second job type.
16. The apparatus of claim 10, wherein the processor is further configured to set a priority to the at least one of the plurality of jobs, and preferentially allocate a job with a high priority to the user based on the priority.