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— *as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))*

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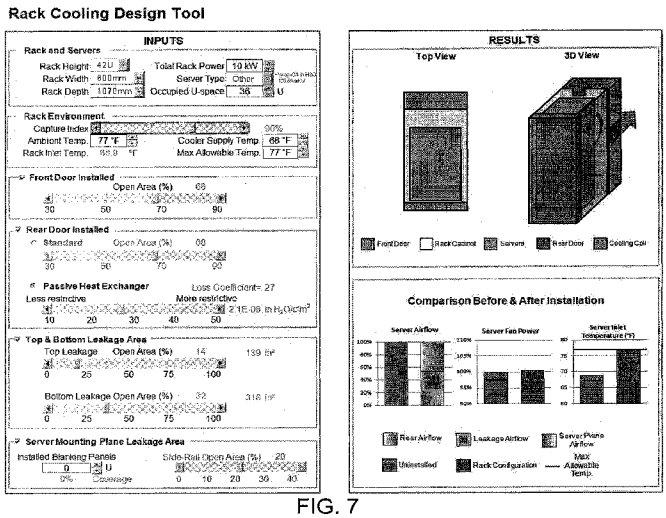

FIG. 7

(57) **Abstract**: According to at least one embodiment, a computer-implemented method for modeling cooling performance is provided. The method includes acts of receiving, by a computer, input data from a storage device, the input data including data related to physical structures within at least one equipment rack, selecting, based on the data related to physical structures, at least one first equation of a plurality of predetermined equations that describe pressure values in a plurality of spaces within the at least one equipment rack, determining pressure values in identified spaces of the plurality of spaces by solving the at least one first equation using the input data, determining airflow values between identified spaces by calculating a difference between the pressure values and storing, on the storage device, the airflow values as equipment rack airflow values within the at least one equipment rack.

WO 2012/082985 A3

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A. CLASSIFICATION OF SUBJECT MATTER
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ADD.

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B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
G06F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
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[X] Further documents are listed in the continuation of Box C.

[X] See patent family annex.

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Date of the actual completion of the international search	Date of mailing of the international search report
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International application No
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C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

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INTERNATIONAL SEARCH REPORT

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