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61/537,501 21 September 2011 (21.09.2011) US(71) Applicant (for all designated States except US): **Value-Corp Pacific, Inc.** [US/US]; 2852 Jean Lane, Westlake Village, CA 91361 (US).(72) Inventors: **CROUSE, Mark, S.**; 2852 Jean Lane, Westlake Village, CA 91361 (US). **BEAM, Caroline, McHolme**; 15 Sunset Drive, Pleasant Hill, CA 94523 (US).(74) Agent: **VIGUET, R., Ross**; Fulbright & Jaworski L.L.P., 2200 Ross Avenue, Suite 2800, Dallas, TX 75201 (US).

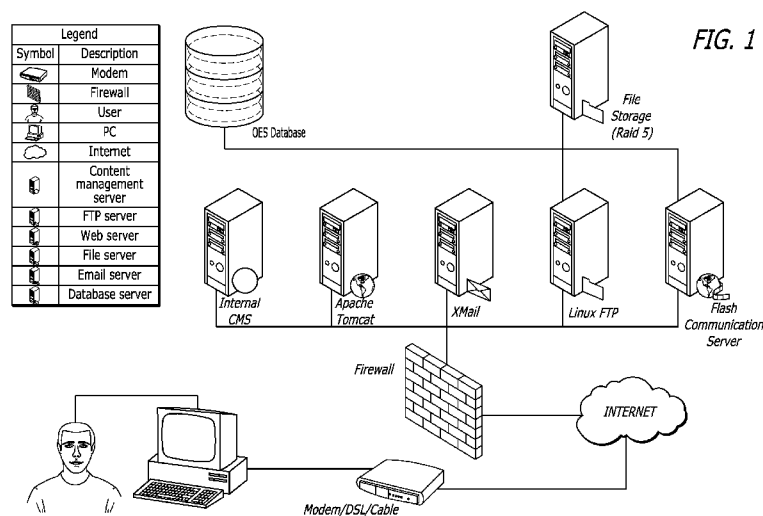
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(57) Abstract: An extensive computer based online math research system (the "Research System") having as its foundation an Ontology of mathematics, and utilizing unique and intensive computer support, coordination, data structuring, data storage, computer processing, retrieval capabilities, and data-mining capabilities, and an Ontology editing system that runs on computer software with computer processors and data storage capabilities (the Ontology Editor System). The Research System also includes a methodology to enable online reference and data manipulation of the Ontology, and an Internet based search of the concepts of mathematics and applications of mathematics to the sciences on the basis of the Ontology.