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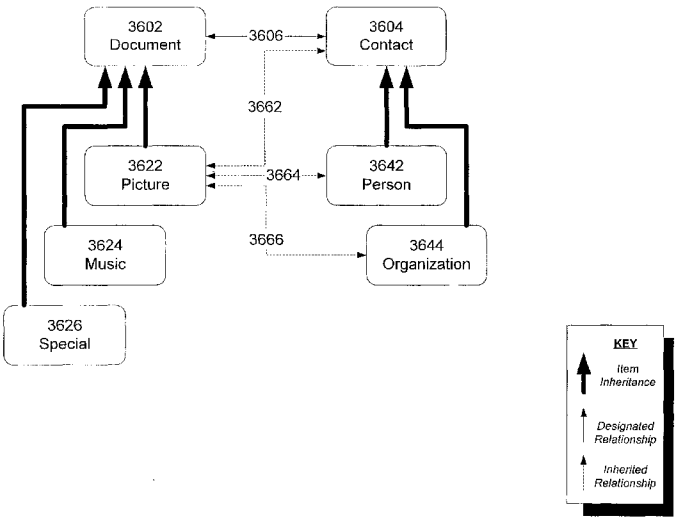
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(54) Title: SYSTEMS AND METHODS FOR EXTENSIONS AND INHERITANCE FOR UNITS OF INFORMATION MANAGEABLE BY A HARDWARE/SOFTWARE INTERFACE SYSTEM



(57) Abstract: By modeling real-world application objects with complex structures, behaviors, and operations described by a schema which is enforced by the hardware/software interface system, various embodiments of the present invention provide rich sub-typing functionality (3602, 3604, 3606, 6322, 3624, 3626, 3642, 3644) by extending Items using extensions which provide additional data structure to already existing items type structures. Extensions are strongly typed instances that cannot exist independently and must be attached to an item or a Nested element. Extensions are also intended to address multi-typing issues by enabling the overlap of type instances.

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