

Claims

- [Claim 1] In a digital medium classification environment, a method implemented by a computing device in which visual and non-visual semantic attributes are associated with a visual, the method comprising:
an input step in which a visual is input for into an apparatus for processing a visual,
a preliminary visual processing step in which visual attributes of an visual are determined and synthesized into a preliminary visual attribute dataset,
a semantic concept processing step in which each of the attributes in the preliminary visual attribute dataset has semantic concept relationships associated with each of the attributes within the preliminary visual attribute dataset and the attributes and associated relationships are synthesized into a semantic concept attribute dataset,
a semantic context processing step in which context-specific relationships between the attributes in the preliminary visual attribute dataset are determined and synthesized into a semantic context attribute dataset, and
a semantic instance processing step in which a user confirms and marks semantic definitions of the visual based on processed attribute datasets at least from the preliminary visual attribute dataset, semantic concept attribute dataset, and the semantic context attribute dataset, wherein the preliminary visual processing step includes a preliminary semantic element processing, at least one of a modified semantic element processing and a new semantic element processing, and at least one consolidation processing.
- [Claim 2] The method according to Claim 1, wherein the method further includes a semantic marker processing step after the semantic context processing step.
- [Claim 3] The method according to Claim 1, wherein the method further includes a semantic realm processing step after the semantic context processing step.
- [Claim 4] The method according to Claim 2, wherein the method further includes a semantic inheritance processing step after the semantic marker processing step.
- [Claim 5] The substrate storage container according to any one of Claims 1 to 4,

- wherein the method further includes a semantic instance processing step.
- [Claim 6] The method according to Claim 1, wherein the method further includes a lexical functions step.
- [Claim 7] A computing device capable of performing a method in which visual and non-visual semantic attributes are associated with a visual comprising:
an interface which allows a user to input a visual and provide feedback and settings,
a processor capable of performing at least a preliminary visual processing, a semantic concept processing, a semantic context processing, and a semantic instance processing, and
a memory unit capable of storing processed datasets,
wherein the computing device is able to output the stored processor dataset results to the interface in a manner that allows a user to confirm or add relevant visual and nonvisual semantic attributes, and
wherein the computing device is also able to allow a user to remove irrelevant visual and non-visual semantic attributes from datasets when the user has the appropriate permissions.
- [Claim 8] The computing device according to Claim 7, wherein the processor is capable of running at least one of a semantic marker processing, a semantic realm processing, a semantic inheritance processing and a lexical functions processing.