

Virtual Album Technologies LLC

AI-Driven Digital Persona Portfolio

1 Family with 2 Granted US Patents

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Executive Summary

- RZV has been exclusively retained by Virtual Album Technologies LLC to monetize an extensively-cited, high-value patent portfolio that protects foundational systems and methods for AI-driven digital personas assembled from distributed content.
- The claims cover retrieval-grounded content assembly and persona-driven interactive response systems, which are core technologies for modern generative AI applications, including commercially-deployed solutions featuring dynamic digital personas and enterprise identity-grounded AI.

Patents:

US11762915B2

US12306877B2

Priority:

June 2018

Deal Structure:

We will consider
all proposals

Deadlines:

Offers considered
in the order
received

US 11,762,915 B2, Claim 1

Title:	Multi-modal virtual experiences of distributed content
Priority:	June 22, 2018
Est. Expiry:	July 13, 2039 (386 PTA)
Independent Claim	1

1. A system for constructing a virtual experience of target identities to a user experience device, the system comprising:

- computer-readable storage media;
- a processing system;

program instructions stored on the computer-readable storage media that, when executed by the processing system, direct the processing system to:

- in response to receiving a repository compilation request comprising a designator data structure for a target identity:
 - from the repository compilation request, determine a set of element sources and query terms for a search of the set of element sources,
 - send at least one query comprising the query terms to the set of element sources,
 - receive search results from the search of the set of element sources,
 - deconstruct the search results into discrete content elements classified in accordance with a schema of element facets,
 - construct a facet-segmented repository including the discrete content elements, wherein the facet-segmented repository is associated with the designator data structure for the target identity, and
 - store the facet-segmented repository on the computer-readable storage media.

US12,306,877 B2, Claim 1

Title:	Multi-modal virtual experiences of distributed content
Priority:	June 22, 2018
Est. Expiry:	June 22, 2038
Independent Claim	1

1. A user experience device for selecting and rendering a virtual experience of target identities, the device comprising:

- a communications interface;
- a processing system;
- a user interface system;
- a sensory-effect hardware array;
- computer-readable storage media;

program instructions on the computer-readable storage media that, when executed by the processing system, direct the processing system to:

- upon receiving an indication via the user interface system;
- determine from content rendered in a current virtual experience container a subject matter prompt derived from the indication,
- determine selected designators of one or more selected identities from the content rendered in the current virtual experience container, the indication, and the subject matter prompt,
- determine a capability manifest of the sensory-effect hardware array from the subject matter prompt and the selected designators of the one or more selected identities, wherein the capability manifest comprises an inventory of hardware and software capabilities of the user experience device, including installed sensory-effect hardware, sensors, actuators, and rendering devices pertaining to the subject matter prompt and the selected designators,
- refine the capability manifest using user experience device parameters,
- send, to a virtual experience service via the communications interface, a beholder request comprising the subject matter prompt, the selected designators of the one or more selected identities, the user experience device parameters, and the capability manifest of the sensory-effect hardware array;
- upon receiving a revised virtual experience container from the virtual experience service via the communications interface:
- interpret content layers of the revised virtual experience container; and
- transform content display, dimensional expansion, and sensory-effect hardware control meta-instructions of the content layers into explicit instructions to components of the sensory-effect hardware array to render content elements and sensory effects on the sensory-effect hardware array.

**For diligence materials or questions,
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