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(12) **United States Patent**  
**Pestoni et al.**

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(54) **SYSTEM AND METHOD FOR PROVIDING CONTENT PROTECTION OF LINEARLY CONSUMED CONTENT WITH A BIDIRECTIONAL PROTOCOL FOR LICENSE ACQUISITION**

USPC ..... 380/210; 726/26  
See application file for complete search history.

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(73) Assignee: **Adobe Systems Incorporated**, San Jose, CA (US)

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(\* ) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 412 days.

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(65) **Prior Publication Data**

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(51) **Int. Cl.**

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**H04N 21/8355** (2011.01)  
**H04L 9/08** (2006.01)  
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**H04N 21/4627** (2011.01)  
**H04N 21/2347** (2011.01)

(57) **ABSTRACT**

Embodiments may include a content provider system configured to provide electronic content that includes multiple encrypted content items to a playback device. A playback device may be configured to acquire root licenses and/or content licenses from a license server; such licenses may cryptographically protect the content items that a playback device receives from a content provider system. In various embodiments, the electronic content may be content that is to be linearly consumed, such as a channel within a broadcast environment. In various embodiments, the playback device may explicitly request a license for one or more of the content items that it receives; such request may be issued to a license server. The license server may evaluate the request and respond to the playback device with the license for a content item. In various embodiments, the playback device may utilize the received license to decrypt and consume the respective content item.

(52) **U.S. Cl.**

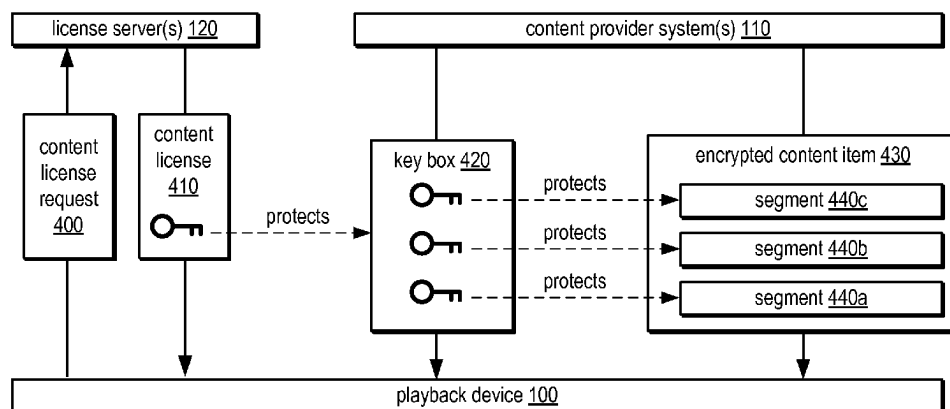
CPC ..... **H04L 9/0822** (2013.01); **H04L 63/10** (2013.01); **H04L 63/06** (2013.01); **H04N 21/8355** (2013.01); **H04L 2209/603** (2013.01); **H04N 21/8456** (2013.01); **H04N 21/4627** (2013.01); **H04L 2463/101** (2013.01); **H04N 21/2347** (2013.01)

USPC ..... **726/26**; 380/210

(58) **Field of Classification Search**

CPC ..... G06F 21/10; G06F 2221/2107; G06F 2221/0753; H04N 21/2541; H04L 2463/101

**24 Claims, 8 Drawing Sheets**



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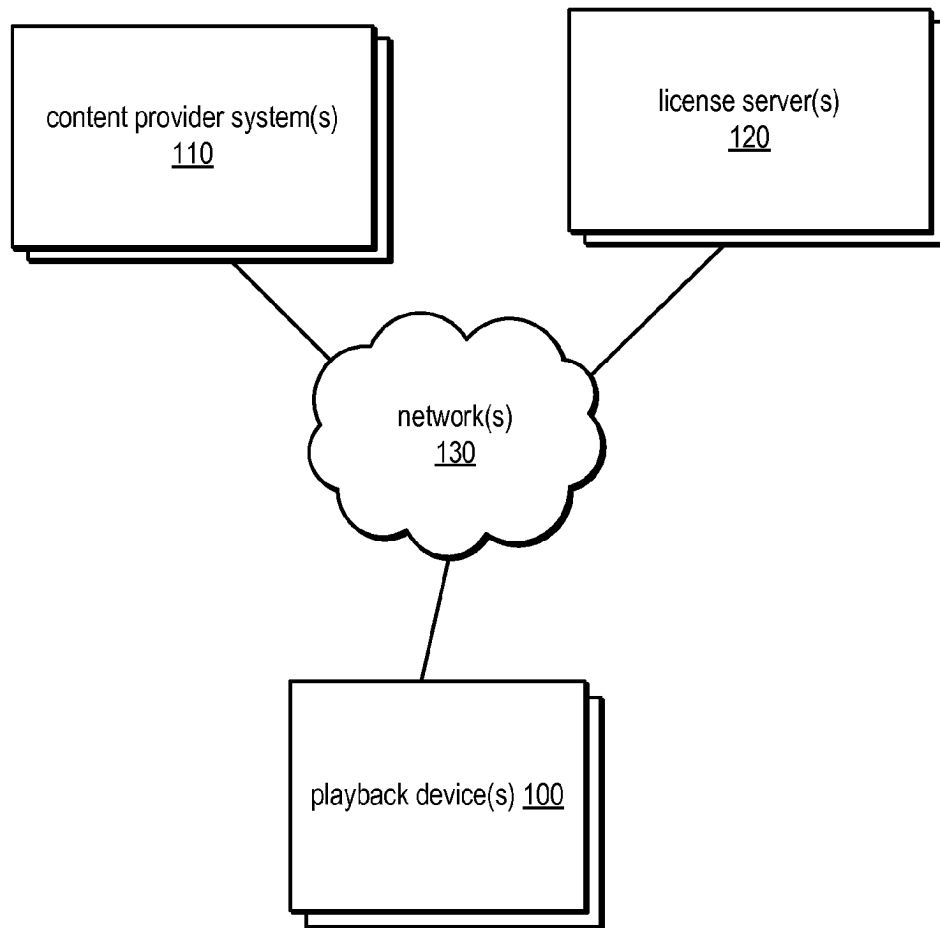


FIG. 1

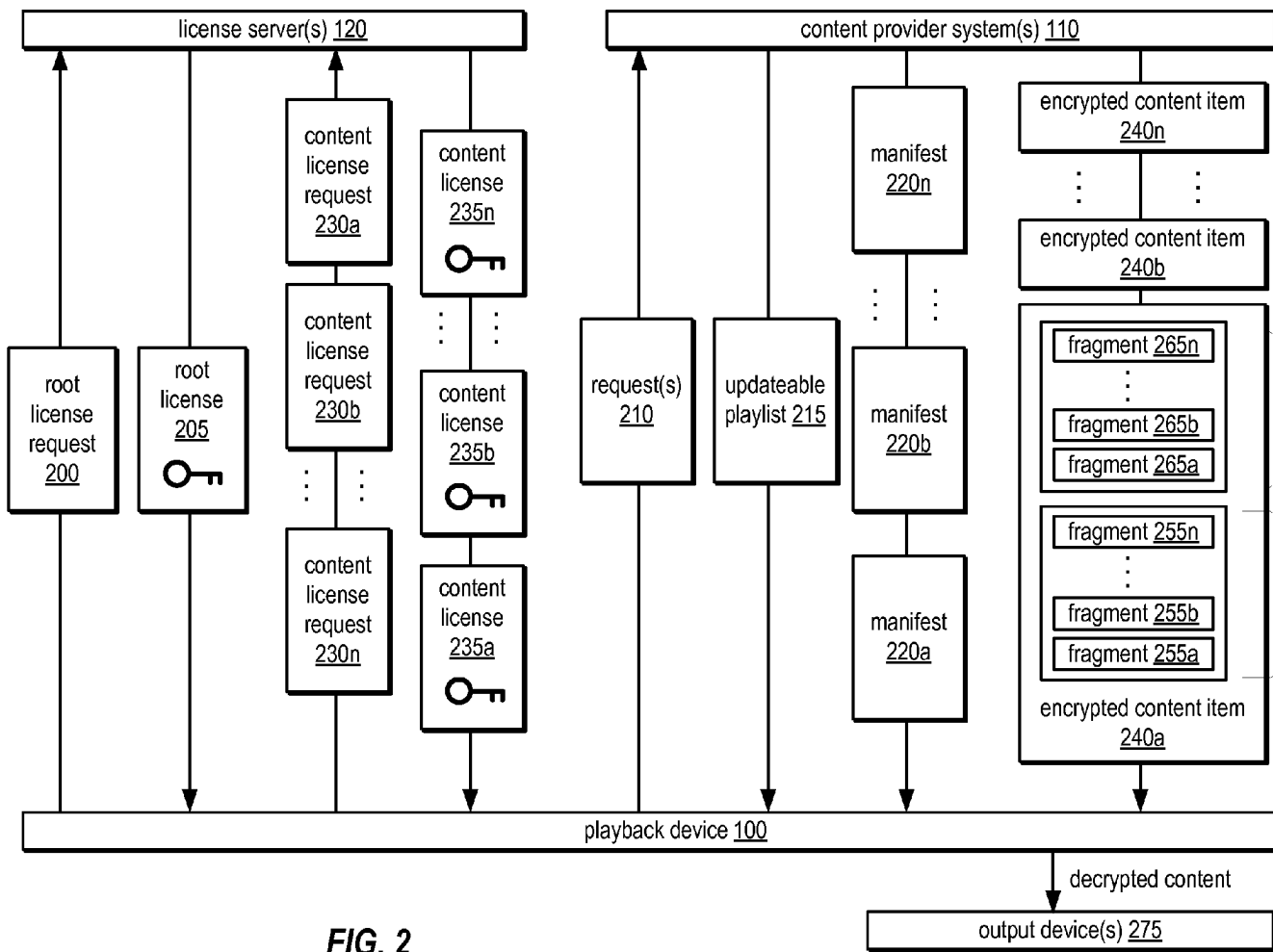


FIG. 2

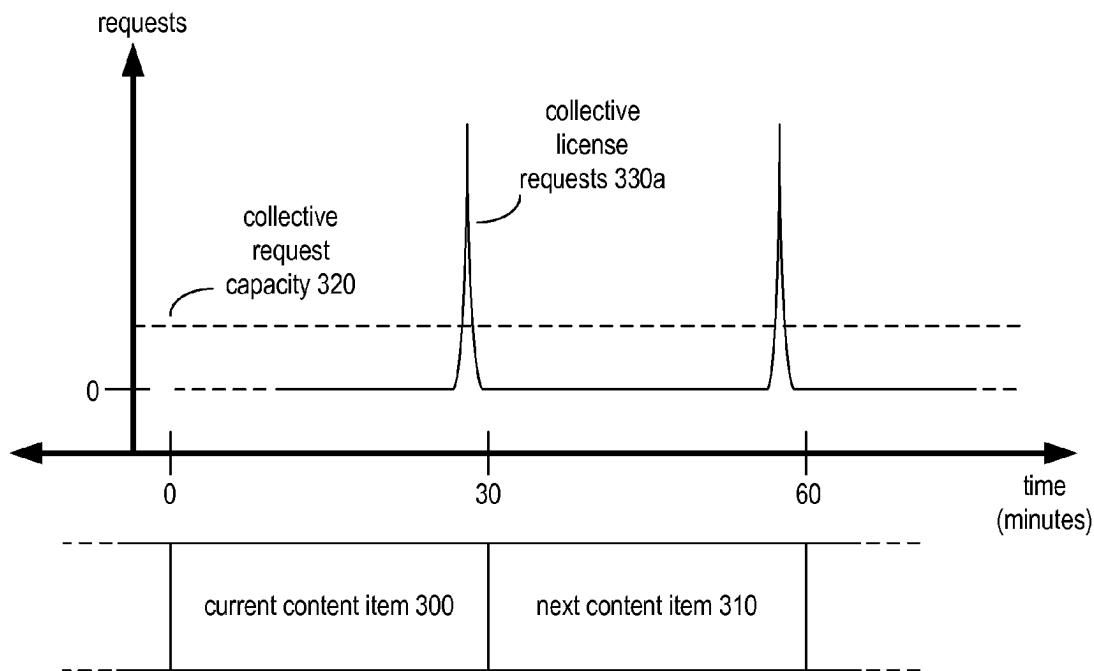


FIG. 3A

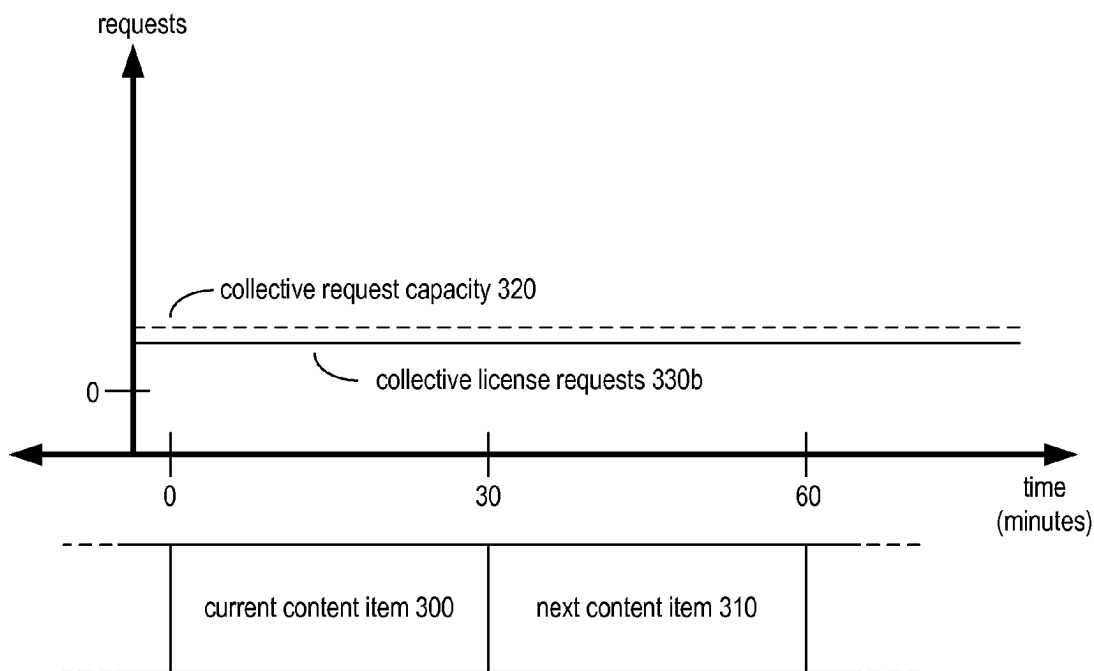


FIG. 3B

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