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(54) **Title:** CONTENT DELIVERY USING DISTRIBUTED LEDGER AND AI-BASED TRANSCODING TECHNOLOGIES

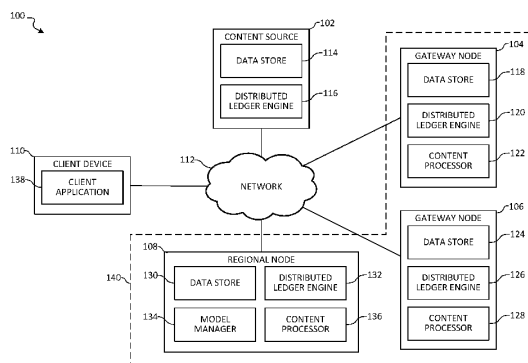


FIG. 1A

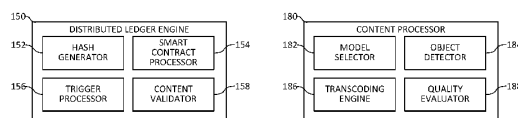


FIG. 1B

FIG. 1C

(57) **Abstract:** Examples of the present disclosure relate to content delivery using distributed ledger and AI-based transcoding technologies. In examples, content is received by a content distribution network (CDN) from a content source. The content may be in a lower-quality or different format than is distributed via the CDN. Accordingly, a transcoding model is identified and used to transcode the content. Multiple transcoding models may be used for different content parts to adapt to changing content types (e.g., a sports subpart, an advertising subpart, etc.). Transcoding may occur at edge nodes, such that the original content is transmitted within the CDN, thereby conserving resources. Additionally, transcoded content may be cached, such that the content need not be transcoded in response to every request.

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