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(71) Applicant *(for all designated States except US)*: **BLOOMBERG LP** [US/US]; 499 Park Avenue, New York, NY 10022 (US).

(72) Inventor; and

(75) Inventor/Applicant *(for US only)*: **KALNITSKY, Yury** [US/US]; 264 Lindell Boulevard, Long Beach, NY 11561 (US).

(74) Agent: **SHANAHAN, Michael, E.**; Brown Raysman Millstein Felder & Steiner LLP, 900 Third Avenue, New York, NY 10022 (US).

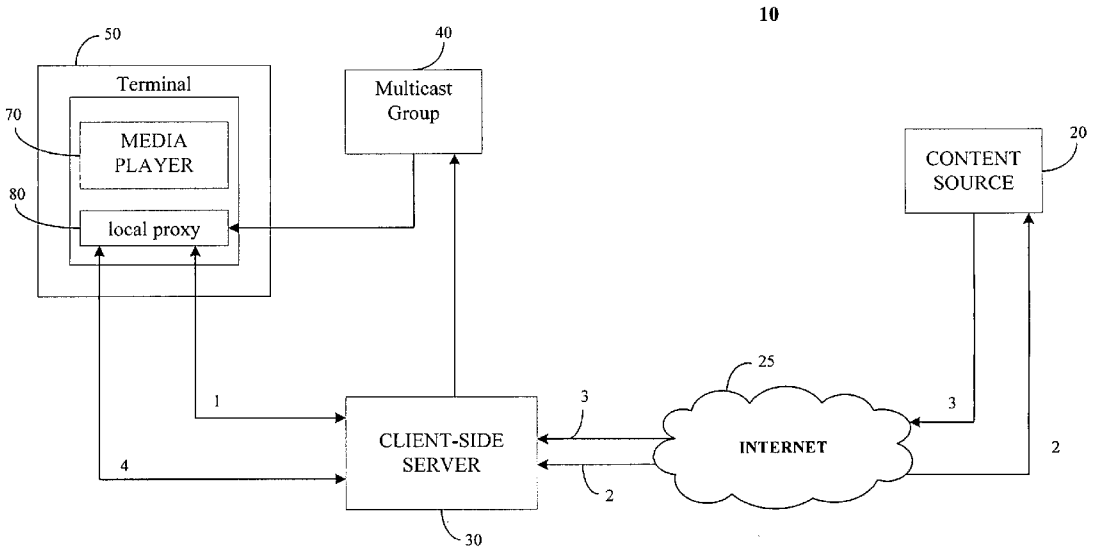
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(54) Title: NETWORK ARCHITECTURE FOR DATA TRANSMISSION



(57) Abstract: A content distribution network with client side multicasting properties that operates with a reduced bandwidth is provided. The requested content, such as multimedia content, is provided in a format suitable for transmission over existing unicast communication links and is then changed to a multicast format for local distribution. This allows an application provider to transmit a single unicast stream of content to a client-side media server in a local area network (LAN) and then distribute it to multiple interested users within the LAN using a multicasting transmission format. This significantly reduces bandwidth requirements by providing a single unicast transmission to a LAN rather than supply each user within the LAN with a dedicated content stream.

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