Abstract: Methods for processing, e.g., non-destructively processing, digital image data utilizing an Effect graph are provided. In one embodiment, the method may include receiving an Effect graph including a plurality of Effect objects each having an image buffer associated therewith for storing digital image data, receiving digital image data to be processed utilizing the Effect graph, and performing a pre-rendering pass of the Effect graph prior to processing the digital image data. The pre-rendering pass may be utilized, for instance, to determine at which Effects a cache should be held to alleviate exponential rendering, and the like. Systems for performing the methods herein described are also provided.

FIG. 9.

Declarations under Rule 4.17:
— as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(H))
— as to the applicant’s entitlement to claim the priority of the earlier application (Rule 4.17(H))

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**A. CLASSIFICATION OF SUBJECT MATTER**

IPC: G06T 15/00( 2006.01), G06T 1/60( 2006.01), G06F 17/00( 2006.01);

USPC: 345/418,522

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 345/418,522

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

<table>
<thead>
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See patent family annex.

Date of actual completion of the international search

03 May 2008 (03.05.2008)

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