

United States Patent [19]

de Remer et al.

GAP RECOVERY FOR OFF-SITE DATA [54] STORAGE AND RECOVERY SYSTEMS

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- [21] Appl. No.: 466,508
- [22] Filed: Jan. 17, 1990
- Int. Cl.⁶ G06F 12/16 [51]
- [52] 371/10.1; 371/29.1; 371/65; 364/DIG. 1;
 - 364/243; 364/243.2; 364/265; 364/266.5;
 - 364/282.1; 364/285; 364/285.1; 364/285.2
- [58] Field of Search 395/575, 600; 371/10.1, 371/29.1, 65, 16.5,

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Primary Examiner-Paul V. Kulik

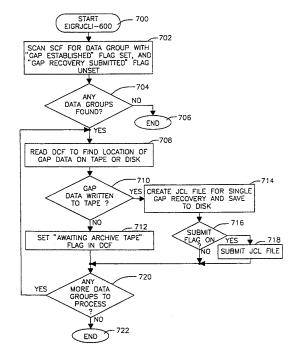
[57]

Attorney, Agent, or Firm-Christie, Parker & Hale

ABSTRACT

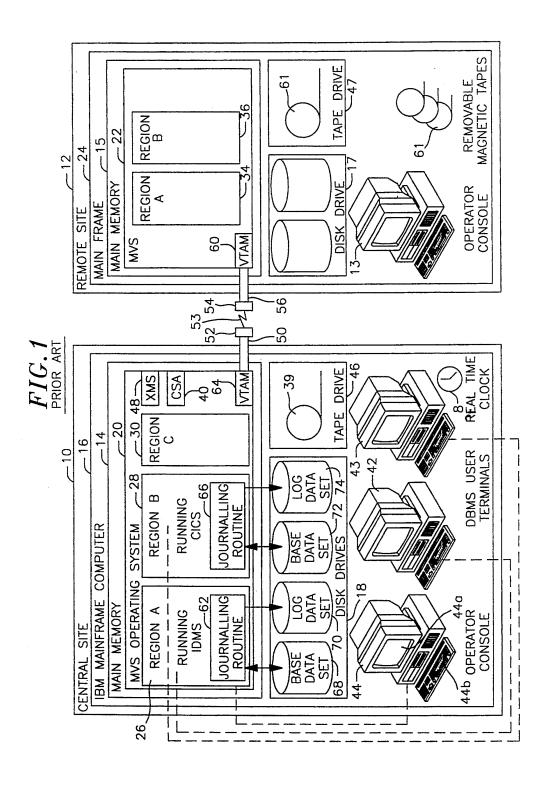
A method for creating a control record for use in future machine recovery of gaps in a complete series of journal data formed by a computing machine from a complete series of transactional data. Copy is formed of the series of journal data for transmission to a remote site. A plurality of data group records are formed. Each data group record identifies a different boundary of each of a plurality of data groups in the series of journal data. The presence is detected of a gap in the copy of the journal data for transmission. One of the data group records is created for a boundary of each gap.

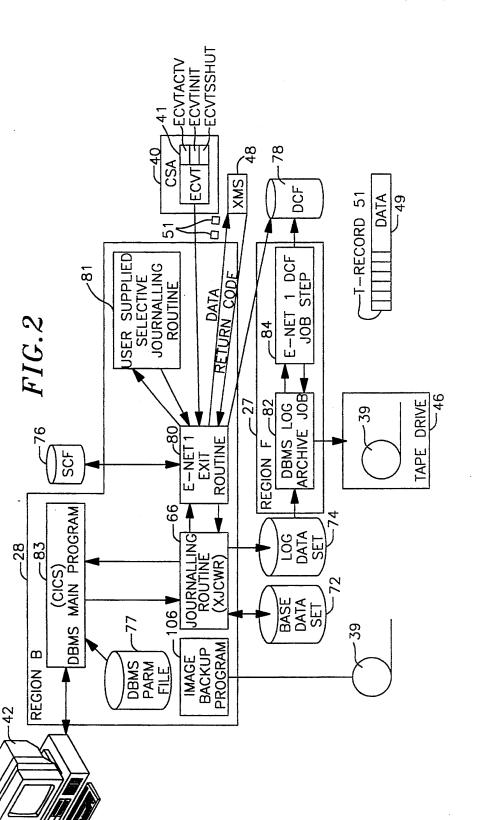
49 Claims, 23 Drawing Sheets



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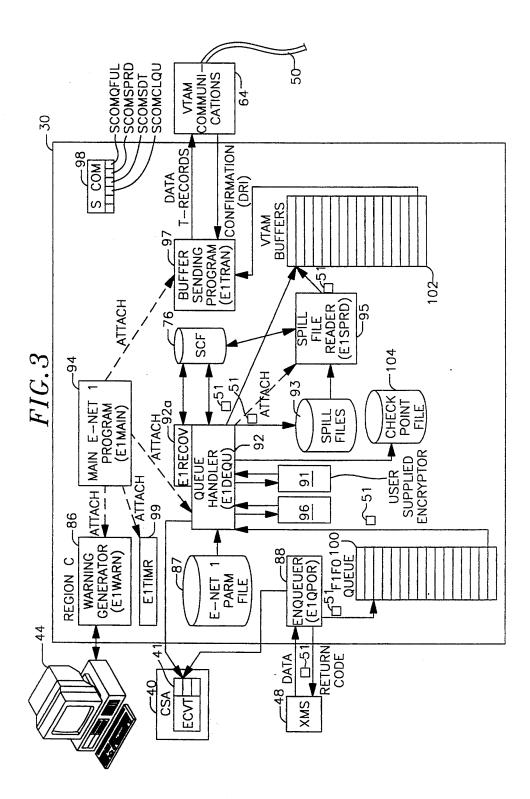
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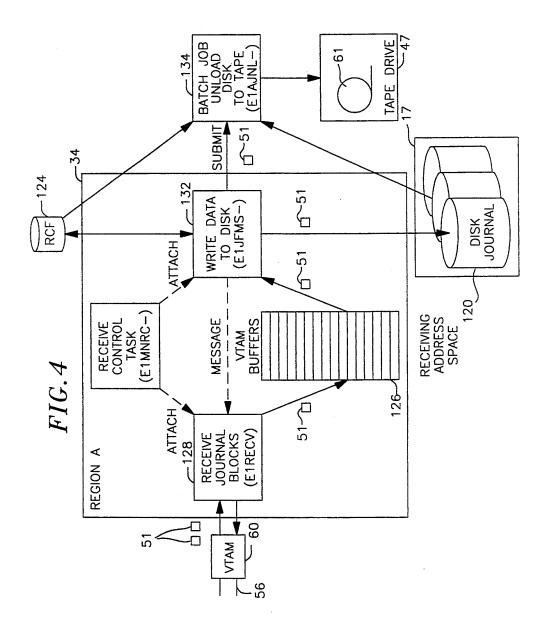


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