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Declarations under Rule 4.17:

- as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))
- as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))

[Continued on next page]

(54) Title: OPPORTUNISTIC PAGE LARGIFICATION

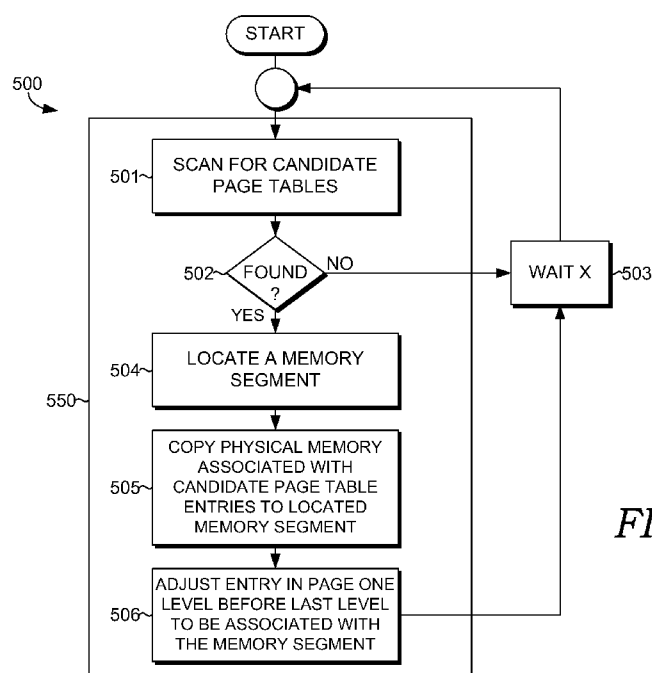


FIG. 5.

(57) Abstract: Page tables in the last level of a hierarchical page table system are scanned for candidate page tables. Candidate page tables are converted to large pages, having a page table entry in a level before the last level of the hierarchical page table system adjusted to be associated with the newly created large page. Upon receiving a notification that a large page is to be converted into a page table, a new page table is created. Each entry in the new page table is associated with a small segment of memory in the large page and an entry in a page table one level before the last level in a hierarchical page table system is adjusted to be associated with the new page table.

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