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(71) Applicant *(for all designated States except US)*: **MATSUSHITA ELECTRIC INDUSTRIAL CO. LTD.** [JP/JP]; 1006, Oaza Kadoma, Osaka, Kadoma-shi 571-8501 (JP).

(71) Applicants and
(72) Inventors: **ZAYAS, Fernando, A.** [US/US]; 1943 Sedona Hills Drive, Loveland, Colorado 80537 (US). **HERY, Patrick, Allen** [US/US]; 1935 Somersworth Drive, San Jose, California 95124 (US).

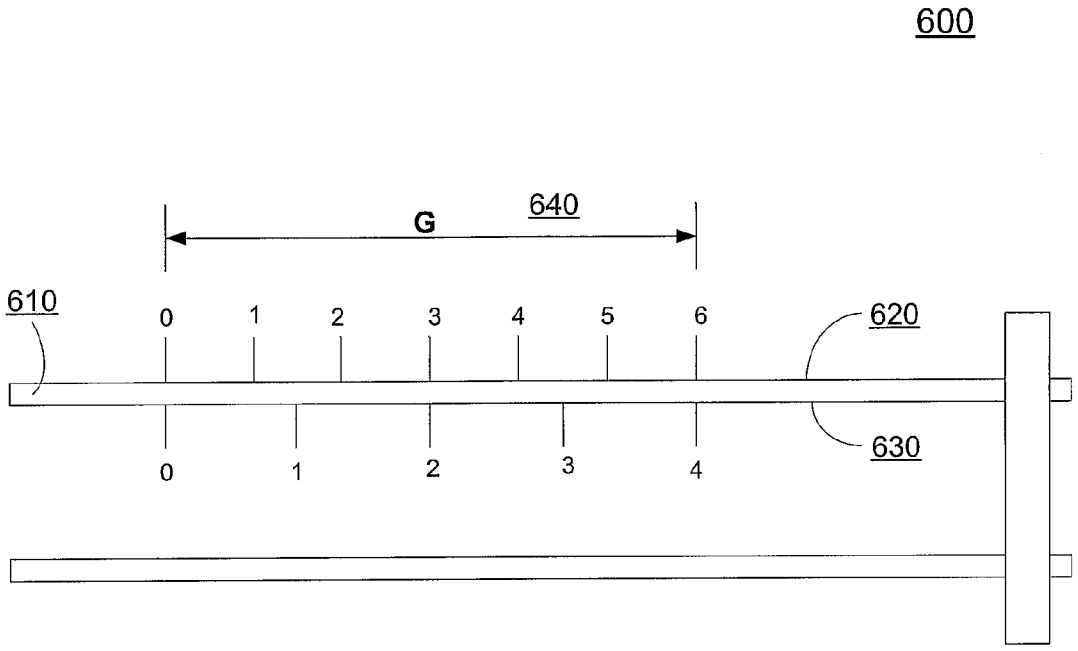
(74) Agents: **MEYER, Sheldon, R.** et al.; FLIESLER MEYER LLP, Four Embarcadero Center, Fourth Floor, San Francisco, California 94111 (US).

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(54) Title: A CONSTRAINED IMPLEMENTATION OF VARIABLE DATA TPI



(57) Abstract: The present invention comprises an implementation of a variable data TPI hard drive system. In one embodiment, the system is implemented by configuring a group of servo tracks in a radial direction for a hard drive media. The group is comprised of an integral number of servo tracks that is constant throughout the drive device. The number of data tracks in a group is also an integer but will vary for each surface according to the head used for R/W operations for each media surface. Group boundaries coincide with media surface R/W zone boundaries. The groups are accessed in hard drives having multiple surfaces in a serpentine manner. Data tracks per group are reduced from what is achievable to produce desired target capacities.

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Declarations under Rule 4.17:

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