(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
4 January 2001 (04.01.2001)

PCT

(10) International Publication Number
WO 01/01414 A1

(51) International Patent Classification[7]: G11B 21/10, G06F 3/06

(21) International Application Number: PCT/US99/31261

(22) International Filing Date:
30 December 1999 (30.12.1999)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/140,859 24 June 1999 (24.06.1999) US

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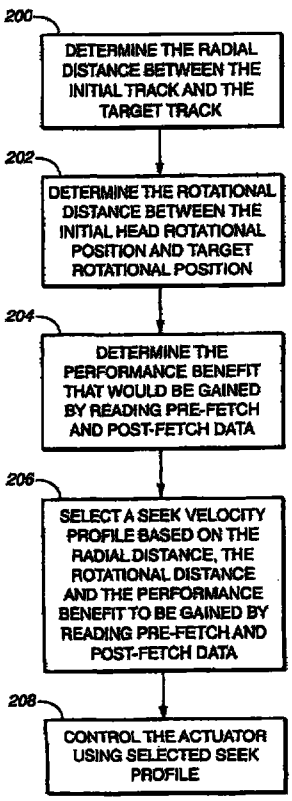
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(81) Designated States *(national)*: CN, DE, GB, JP, KR, SG.

Published:
— *With international search report.*
— *With amended claims and statement.*

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: SEEK ACOUSTICS REDUCTION WITH MINIMIZED PERFORMANCE DEGRADATION



(57) Abstract: A method of controlling an actuator (150) in a disc drive (100) to perform a seek operation prior to a read operation is disclosed. A radial distance between the initial track (305) and the target track (315) is determined. A rotational distance between the initial head rotational position and the target rotational position is also determined. The performance benefit to be gained by reading pre-fetch and post-fetch data is evaluated. Then a seek velocity profile is selected based on the evaluation. The actuator (150) then is controlled using the selected seek profile. A disc drive (100) for implementing this method is also provided.

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