ICBEN 방법에 의한 환경소음의 사회적반응 측정방법

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Construction of Standardized Noise Annoyance Scales in Korea according to the ICBEN Method

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Key Words : 소음평가어휘(Noise annoyance modifiers), 표준 평가척도(Standardized annoyance scales)

Abstract : Recently a number of social surveys on community response to environmental noises have been conducted. Since standardized noise annoyance scales were needed to compare the results from various areas, ICBEN(International Commission on Biological of Noise) Team 6 planned a international joint study and constructed comparable standardized noise annoyance scales using the same method. In Korea the survey was conducted in four areas such as Seoul, Taejon, Honam and Yongnam. 100 subjects participated in each area approximately. The 21 adverbs were first in the early survey, and five verbal annoyance modifiers were constructed ad follows;

1 (Jeonhyu...anta), 2 (Jokm), 3 (Bikyojerk), 4 (Ajoo), 5 (umchongnage)

다 극성 자속 분포 효과를 이용한 Actuator 고 특성 실현

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Realization of High Performance Pickup Actuator using Multipolar Flux-Density Distribution

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Key Words : Optical Pickup Actuator, Multipolar Magnet, 3-axis Actuator, Driving Sensitivity

Abstract : To improve the driving sensitivity of an optical pickup actuator for high density and high speed drive, we present a new actuator design using multipolar flux-density distribution by magnetic materials and Nd-Fe-B sintered magnets. We expect this actuator to use in 3-axis actuator for tilt compensation as well as conventional 2-axis actuator. The electromagnetic field analysis applying 3-D FEM was performed and several samples were actually tested. From comparing simulated data with experimental results , we verified the accuracy of the simulation and the superiority of the presented method.