

Title (en)  
DIGITAL PROCESSING DEVICE FOR AUDIO SIGNAL

Title (de)  
DIGITALES TONSIGNALVERARBEITUNGSGERÄT

Title (fr)  
DISPOSITIF DE TRAITEMENT NUMERIQUE POUR SIGNAL AUDIO

Publication  
**EP 0880779 A1 19981202 (EN)**

Application  
**EP 96922833 A 19960619**

Priority  
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• EP 9602637 W 19960619

Abstract (en)  
[origin: WO9701168A1] A system for the digital processing of audio signals, particularly for disc jockeys and scratch musicians. The speed and direction of reproduction of an audio signal coming from an external source, e.g., from a CD player, can be controlled by acting manually on a rotating element (16). The speed of rotation of this element is normally constant but can be modified by the disc jockey. The sampled audio signal is stored at a constant frequency in a sampling buffer and read at a variable frequency as a function of the speed and direction of the rotating element. In one embodiment, the element (16) is a record player turntable. The disc jockey can act upon the speed of rotation. An optical sensor (21) determines the speed and direction of rotation of the turntable. These data are used to determine the speed and direction of reproduction of an external audio signal, e.g., coming from a CD player.

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**G11B 19/02**; **G11B 20/10**; **G10H 1/00**

IPC 8 full level  
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CPC (source: EP)  
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Citation (search report)  
See references of WO 9701168A1

Citation (third parties)  
Third party :  
• JP H0689501 K1  
• TECHNICS: "SL-1200MK3 service manual", TECHNICS BROCHURE/LEAFLET, 1989, pages 1 - 12, XP002989732  
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• TECHNICS SL-1200MK3: "TECHNICS SL-1200MK3", WEBSITE EXTRACT, pages 1 PG, XP002989734, Retrieved from the Internet <URL:http://k-nisi.hp.infoseek.co.jp/sl-1200.htm>  
• ULTIMATE PROJECT OF HINODE SHUPPAN: "Ultimate DJ handbook", 15 December 1988, KAMESABURO OKUBO, JAPAN, ISBN: 1-39\93-066-0, XP002989766

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