

Title (en)

HELICAL TRACK MAGNETIC TAPE RECORDER FOR DIGITAL SIGNALS WITH VARIOUS OPERATING MODES

Title (de)

SCHRÄGSPURMAGNETBANDAUFZEICHNUNGSGERÄT FÜR DIGITALE SIGNALE MIT VERSCHIEDENEN BETRIEBSARTEN

Title (fr)

APPAREIL D'ENREGISTREMENT HELICOIDAL A BANDE MAGNETIQUE POUR SIGNAUX NUMERIQUES A DIFFERENTS MODES DE FONCTIONNEMENT

Publication

EP 0737355 A1 19961016 (DE)

Application

EP 95904456 A 19941213

Priority

- DE 4343809 A 19931222
- EP 9404123 W 19941213

Abstract (en)

[origin: WO9517749A2] In search runs in a helical track recorder the read and recording track angles differ. This means that only track segments can be read owing to azimuth decoupling. In digital recording systems, this results in the effect where, in video recorders with considerable segmentation (e.g. 12 recording tracks per full image) and data reduction (DCT), the imagewise coherence of the data of two neighbouring tracks fails. The purpose of the invention is to reduce the interference occurring in search runs. The recorded useful data signal is usually embedded in synchronisation words, error protection data and pointers which show where the subsequent data package together with the error protection data belong in the image. According to the invention, the relationship of the head drum/tape advance phase to the tape advance is controlled in such a way that all the pointers are read in with the same frequency in an interval of several successive tracks = full images. Thus interference in search runs is reduced. Especially applicable to digital helical track magnetic tape recorders.

IPC 1-7

G11B 15/18

IPC 8 full level

G11B 15/18 (2006.01); **G11B 15/467** (2006.01); **G11B 27/30** (2006.01); **H04N 5/783** (2006.01); **H04N 5/7826** (2006.01); **H04N 5/926** (2006.01)

CPC (source: EP KR)

G11B 15/18 (2013.01 - KR); **G11B 15/1875** (2013.01 - EP); **G11B 15/4671** (2013.01 - EP); **G11B 27/3027** (2013.01 - EP); **H04N 5/783** (2013.01 - EP); **H04N 5/78266** (2013.01 - EP); **H04N 5/9264** (2013.01 - EP)

Citation (search report)

See references of WO 9517749A2

Designated contracting state (EPC)

DE ES FR GB IT

DOCDB simple family (publication)

DE 4343809 A1 19950629; **DE 4343809 C2 20021031**; EP 0737355 A1 19961016; JP H09506992 A 19970708; KR 960706164 A 19961108; WO 9517749 A2 19950629; WO 9517749 A3 19950713

DOCDB simple family (application)

DE 4343809 A 19931222; EP 9404123 W 19941213; EP 95904456 A 19941213; JP 51714495 A 19941213; KR 19960702700 A 19960522