

CORRECTED VERSION

(19) World Intellectual Property Organization
International Bureau(43) International Publication Date
19 July 2001 (19.07.2001)

PCT

(10) International Publication Number
WO 01/52258 A1(51) International Patent Classification⁷: G11B 20/14(74) Agent: FAESSEN, Louis, M., HL; Internationaal
Octrooibureau B.V., Prof Holstlaan 6, NL-5656 AA Eind-
hoven (NL).

(21) International Application Number: PCT/EP00/12859

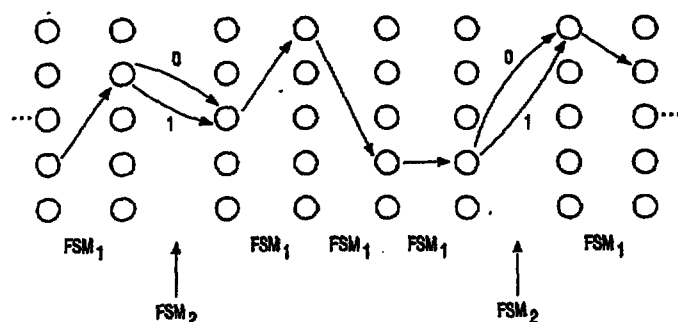
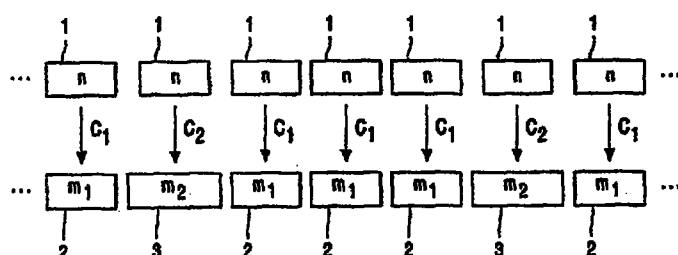
(22) International Filing Date:
15 December 2000 (15.12.2000)(81) Designated States (*national*): AE, AG, AL, AM, AT, AU,
AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ,
DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR,
HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR,
LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ,
NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM,
TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW.

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
00200058.6 7 January 2000 (07.01.2000) EP
00200712.8 1 March 2000 (01.03.2000) EP(84) Designated States (*regional*): ARIPO patent (GH, GM,
KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW), Eurasian
patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European
patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE,
IT, LU, MC, NL, PT, SE, TR), OAPI patent (BF, BJ, CF,
CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).(71) Applicant: KONINKLIJKE PHILIPS ELECTRON-
ICS N.V. [NL/NL]; Groenewoudseweg 1, NL-5621 BA
Eindhoven (NL).(72) Inventor: COENE, Willem, M., J., M.; Prof. Holstlaan
6, NL-5656 AA Eindhoven (NL).Published:
— with international search report

[Continued on next page]

(54) Title: METHOD OF CONVERTING A STREAM OF DATABITS OF A BINARY INFORMATION SIGNAL INTO
A STREAM OF DATABITS OF A CONSTRAINED BINARY CHANNEL SIGNAL, DEVICE FOR ENCODING, SIGNAL
COMPRISING A STREAM OF DATABITS OF A CONSTRAINED BINARY CHANNEL SIGNAL, RECORD CARRIER AND
DEVICE FOR DECODING(57) Abstract: The invention relates to a
method for converting binary information into
a constrained binary channel signal. The binary
information is converted according to a channel
code C1 and a channel code C1 into m1-bit
channel words, the concatenated channel words
obeying the run length constraints of the binary
channel signal. The channel words are selected
from sets of channel words, each set comprising
only channel words having specific begin parts.
The invention relates to a device for encoding,
a signal comprising a stream of data bits of
a constrained binary channel signal, a record
carrier and a device for decoding.

WO 01/52258 A1

(48) Date of publication of this corrected version:
20 December 2001

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.

(15) Information about Correction:
see PCT Gazette No. 51/2001 of 20 December 2001, Section II