

Title (en)
ELEMENTARY STREAM PARTIAL ENCRYPTION

Title (de)
ELEMENTARSTROM-PARTIALVERSCHLÜSSELUNG

Title (fr)
CRYPTAGE PARTIEL DE TRAINS DE DONNEES ELEMENTAIRES

Publication
EP 1486071 A4 20090930 (EN)

Application
EP 02792388 A 20021213

Priority
• CA 2405865 A 20021001
• US 0240051 W 20021213
• US 3791402 A 20020102

Abstract (en)
[origin: WO03061173A2] An encryption arrangement for multiple encryption of television programs. A system according toembodiments of the present invention multiple encrypts only a portion of the data required for full presentation of a television program to permit coexistence of multiple conditional access encryption systems associated with multiple manufacturer's set-top boxes within a single system. In one embodiment, only audio data are encrypted leaving video in the clear. By only encrypting a portion of the program, dramatically less bandwidth is consumed than the alternative of multiple encryption of all program data, thus permitting a larger number of programs to be carried over the samebandwidth while permitting coexistence of multiple conditional access systems in a single cable television system.

IPC 1-7
H04N 7/167

IPC 8 full level
H04L 9/18 (2006.01); **H04N 7/167** (2011.01); **H04N 21/2347** (2011.01); **H04N 21/2362** (2011.01); **H04N 21/266** (2011.01); **H04N 21/434** (2011.01); **H04N 21/4405** (2011.01); **H04N 21/4623** (2011.01); **H04N 21/835** (2011.01)

CPC (source: EP KR)
H04N 7/10 (2013.01 - KR); **H04N 7/1675** (2013.01 - EP); **H04N 21/2347** (2013.01 - KR); **H04N 21/23476** (2013.01 - EP); **H04N 21/2362** (2013.01 - EP); **H04N 21/26606** (2013.01 - EP); **H04N 21/4345** (2013.01 - EP); **H04N 21/44055** (2013.01 - EP); **H04N 21/4623** (2013.01 - EP); **H04N 21/835** (2013.01 - EP)

Citation (search report)
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• [A] "FUNCTIONAL MODEL OF A CONDITIONAL ACCESS SYSTEM", EBU REVIEW- TECHNICAL, EUROPEAN BROADCASTING UNION. BRUSSELS, BE, no. 266, 21 December 1995 (1995-12-21), pages 64 - 77, XP000559450, ISSN: 0251-0936
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Designated contracting state (EPC)
DE FR GB

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WO 03061173 A2 20030724; WO 03061173 A3 20040923; AU 2002357846 A1 20030730; AU 2002357846 A8 20030730; CN 1633809 A 20050629; CN 1633809 B 20100421; EP 1486071 A2 20041215; EP 1486071 A4 20090930; JP 2005515694 A 20050526; JP 4446743 B2 20100407; KR 101004196 B1 20101224; KR 20040068994 A 20040802; MX PA04006400 A 20041004

DOCDB simple family (application)
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