

Title (en)  
SECURE COMMUNICATION SYSTEM

Publication  
**EP 0167442 A3 19861230 (EN)**

Application  
**EP 85401239 A 19850621**

Priority  
US 62588584 A 19840629

Abstract (en)  
[origin: EP0167442A2] A jam resistant, low-cost data link, wherein short burst messages are frequency-hopped on a message-by-message basis. The data link includes a transmitter and a receiver which initially are set at a common, predetermined frequency. The message transmitted during each burst includes encrypted data identifying the frequency at which the next message will be transmitted to enable the receiver to tune to that frequency. If the initial transmission is jammed, the transmitter and receiver are preprogrammed to change to a preset back-up frequency. The receiver will request retransmission before the next transmission frequency is changed if a received message is garbled.

IPC 1-7  
**H04K 1/00**

IPC 8 full level  
**H04K 1/00** (2006.01)

CPC (source: EP)  
**H04K 1/003** (2013.01)

Citation (search report)

- [X] JP S5530227 A 19800304 - MATSUSHIMA KOGYO KK
- [Y] US 4005428 A 19770125 - GRAHAM JERRY P
- [Y] FR 2485305 A1 19811224 - OAK INDUSTRIES INC [US]
- [A] DE 3230726 A1 19840223 - SIEMENS AG [DE]
- [A] IEEE 1977, ULTRASONICS SYMPOSIUM PROCEEDINGS, Phoenix, US, 26th-28th October 1977, pages 505-510, Institute of Electrical and Electronics Engineers, New York, US; J.U. BEUSCH: "Roles of SAW and CCD in current spread spectrum communications systems"
- [A] RADIO AND ELECTRONIC ENGINEER, vol. 52, no. 5, May 1982, pages 246-258, Institution of Electronic and Radio Engineers, London, GB; P.M. GRANT: "The potential application of analogue matched and adaptive filters in spread-spectrum communications"

Cited by  
US10368239B2; EP0247790A3; GB2307624A; GB2307624B; GB2485142A; GB2456534A; US8884821B2; WO2011079022A1; WO9500936A1; US10027682B2; US10341362B2; US8457175B2; US8896431B2; US8611847B2; US9102293B2; US8319615B2; US8175573B2; US8639209B2; US9031538B2; US8159336B2; US8792640B2; US9338412B2; US8320872B2; US9379893B2; US10205707B2

Designated contracting state (EPC)  
CH DE FR GB IT LI NL SE

DOCDB simple family (publication)  
**EP 0167442 A2 19860108; EP 0167442 A3 19861230**; CA 1244886 A 19881115; IL 75670 A 19890630

DOCDB simple family (application)  
**EP 85401239 A 19850621**; CA 486105 A 19850628; IL 7567085 A 19850628