

Title (en)
Airport incursion avoidance system.

Title (de)
Anlage zur Vermeidung des Eindringens in einen Flughafen.

Title (fr)
Système pour éviter l'incursion d'un aéroport.

Publication
EP 0613110 A1 19940831 (EN)

Application
EP 94301262 A 19940223

Priority
US 2376193 A 19930226

Abstract (en)
An airport incursion avoidance system for detection of aircraft and other vehicles utilizes edge lights [20] along taxiways and runways by having a sensor [50] co-located with each edge light, the sensor output being coupled to a central computer system [12] via the airport's edge light power lines [21]. The detection system comprises infrared sensors. The output of each sensor [50] is fed into a microprocessor [44] within an edge light assembly [20] and then to a power line modem [54] for transmission to the central computer system [12] which includes a display [30] at the airport tower for showing the airport and all traffic thereon. Data from each sensor [50] along taxiways and runways is received at the central computer system [12] and processed to provide vehicle tracking and control of all ground traffic on the airport taxiways and runways to avoid an airport incursion. <IMAGE>

IPC 1-7
G08G 5/06

IPC 8 full level
G08G 5/04 (2006.01); **G08G 5/06** (2006.01); **G08G 9/02** (2006.01)

CPC (source: EP)
G08G 5/0026 (2013.01); **G08G 5/0082** (2013.01); **G08G 5/065** (2013.01)

Citation (search report)

- [Y] US 3706969 A 19721219 - PAREDES CANDELARIO
- [Y] WO 9004242 A1 19900419 - SWEDISH AIRPORT TECHNOLOGY HB [SE]
- [Y] US 4093937 A 19780606 - HABINGER MAX
- [Y] US 4455551 A 19840619 - LEMELSON JEROME H [US]
- [A] EP 0209397 A2 19870121 - GEN INVEST & DESARROLLO SA [ES] & US 4845629 A 19890704 - MURGA MARIA V Z [ES]
- [A] EP 0220752 A2 19870506 - DRIM LTD [GB]

Cited by
CN115599125A; US6161097A; CN111867202A; US11113979B2; EP3590848A1; CN110654558A

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

DOCDB simple family (publication)
EP 0613110 A1 19940831; CA 2114610 A1 19940827; JP H06301898 A 19941028; NO 940625 D0 19940224; NO 940625 L 19940829

DOCDB simple family (application)
EP 94301262 A 19940223; CA 2114610 A 19940131; JP 2995594 A 19940228; NO 940625 A 19940224