

Title (en)  
AIRPORT SURFACE DETECTION RADAR

Title (de)  
FLUGHAFEN-ÜBERWACHUNGSRADAR

Title (fr)  
RADAR DE SURVEILLANCE DES MOUVEMENTS DE SURFACE D'AEROPORT

Publication  
**EP 0824707 A1 19980225 (EN)**

Application  
**EP 96915567 A 19960508**

Priority  
• IL 11367695 A 19950509  
• US 9606440 W 19960508

Abstract (en)  
[origin: WO9635961A1] An Airport Surface Detection Radar (ASDR) including a transmitting antenna (116), a transmitter (110), which transmits a substantially linearly frequency modulated CW signal via the transmitting antenna (116), a monopulse receiving antenna (118) and a monopulse receiver which receives at least one response from a target on an airport surface via the receiving antenna (118), generates azimuthal sum and difference signals and determines the position of the target responsive to the instantaneous sum and difference signals and orientation of the antennas.

IPC 1-7  
**G01S 13/42**; **G01S 13/536**; **G01S 13/91**

IPC 8 full level  
**G01S 13/34** (2006.01); **G01S 13/44** (2006.01); **G01S 13/91** (2006.01); **G01S 13/934** (2020.01)

CPC (source: EP KR)  
**G01S 13/343** (2013.01 - EP KR); **G01S 13/44** (2013.01 - EP KR); **G01S 13/91** (2013.01 - KR); **G01S 13/934** (2020.01 - KR); **G01S 13/91** (2013.01 - EP); **G01S 13/934** (2020.01 - EP); **G01S 2013/916** (2013.01 - EP KR)

Designated contracting state (EPC)  
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