

Title (en)  
COMBINATION TUNER FOR EARTH AND SATELLITE BROADCASTING

Title (de)  
KOMBINATIONSTUNER FÜR ERD- UND SATELLITENRUNDSENDUNGEN

Title (fr)  
SYNTONISEUR MIXTE POUR DIFFUSION SATELLITE ET TERRESTRE

Publication  
**EP 1380163 A4 20041208 (EN)**

Application  
**EP 02714591 A 20020402**

Priority  
• KR 0200581 W 20020402  
• KR 20010017594 A 20010403

Abstract (en)  
[origin: WO02082809A1] Combination-tuner for receiving Ground wave and satellite wave, the tuner comprising: A satellite frequency output part for receiving satellite wave, a ground frequency output part for receiving ground wave, first switching means to input selectively the RF signals which are output through the satellite frequency output part or ground frequency output part by control signals, IF signal forming means for forming IF signals, second switching means to input selectively the IF signals, low pass filters to filter selectively ground wave or satellite wave out of second IF signals which is output through the second switching means.

IPC 1-7  
**H04N 5/455**; **H03D 7/16**

IPC 8 full level  
**H04N 5/455** (2006.01); **H03D 7/16** (2006.01); **H04N 5/46** (2006.01)

CPC (source: EP KR)  
**H03D 7/161** (2013.01 - EP); **H04N 5/455** (2013.01 - KR); **H04N 21/4263** (2013.01 - EP); **H04N 5/46** (2013.01 - EP)

Citation (search report)  
• No further relevant documents disclosed  
• See references of WO 02082809A1

Designated contracting state (EPC)  
AT BE CH DE GB LI NL

DOCDB simple family (publication)  
**WO 02082809 A1 20021017**; CN 1284365 C 20061108; CN 1528086 A 20040908; EP 1380163 A1 20040114; EP 1380163 A4 20041208; KR 100365359 B1 20021218; KR 20020078482 A 20021019

DOCDB simple family (application)  
**KR 0200581 W 20020402**; CN 02807681 A 20020402; EP 02714591 A 20020402; KR 20010017594 A 20010403