

Title (en)

Converter provided with built-in patch antennas for receiving direct broadcasting by satellite

Title (de)

Konverter mit eingebauten Patchantennen für den Empfang von Direktübertragungssatelliten

Title (fr)

Convertisseur avec antennes à plaque incorporée pour réception de radiodiffusion directe par satellite

Publication

EP 1033779 A2 20000906 (EN)

Application

EP 00301243 A 20000217

Priority

JP 5715099 A 19990304

Abstract (en)

The object of the present invention is to provide a converter (1) for receiving satellite broadcasting wherein a radio wave from a satellite can be received without using a die-cast frame and the cost can be reduced. A printed circuit board (19) and an antenna member provided to the printed circuit board for receiving a radio wave from a satellite via a parabolic reflector are provided, the antenna member is composed of patch antennae (21) made of conductive foil and is formed on one surface of the printed circuit board (19). <IMAGE>

IPC 1-7

H01Q 1/24; **H01Q 1/42**; **H01Q 21/06**

IPC 8 full level

H01Q 1/24 (2006.01); **H01Q 1/42** (2006.01); **H01Q 21/06** (2006.01); **H01Q 23/00** (2006.01); **H04B 1/08** (2006.01)

CPC (source: EP KR)

H01Q 1/247 (2013.01 - EP KR); **H01Q 1/42** (2013.01 - EP KR); **H01Q 21/065** (2013.01 - EP KR)

Cited by

US7068238B2; CN108987944A; EP1132997A1; CN105634248A; EP1633015A1; US7129906B2; EP1519443A1; US11527812B2; US6326920B1; US9595760B2; US7528793B2; US7800551B2; US8085214B2

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

EP 1033779 A2 20000906; **EP 1033779 A3 20040107**; CN 1186854 C 20050126; CN 1266293 A 20000913; JP 2000261336 A 20000922; JP 3626618 B2 20050309; KR 100342778 B1 20020704; KR 20000062726 A 20001025; TW 447172 B 20010721

DOCDB simple family (application)

EP 00301243 A 20000217; CN 00102845 A 20000303; JP 5715099 A 19990304; KR 20000010622 A 20000303; TW 89100756 A 20000118