

Title (en)
AM-FM COMBINED STEREO RECEIVER

Publication
EP 0570480 A4 19940706 (EN)

Application
EP 92905667 A 19920204

Priority
US 65167891 A 19910206

Abstract (en)
[origin: WO9214299A1] An improved AM-FM combined stereo receiver (100) is provided having a single processor (155) for removing, in the FM mode, arc-tangent distortion, and in the AM mode, to process the phase term from arc-tangent $\{L - R/1 + L + R\}$ to determine $\{L - R/1 + L + R\}$. Further, the radio includes a single discriminator circuit (161, 137, 139) wherein, in the FM mode, the discriminator tank circuit (137, 139) is used to convert frequency deviation to baseband audio and, in the AM mode, the discriminator tank circuit is used as the frequency-determining element for the voltage controlled oscillator (VCO) (161), the VCO being used to translate the intermediate frequency (IF) signal to baseband.

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H03D 3/22

IPC 8 full level
H03D 3/24 (2006.01); **H03D 5/00** (2006.01); **H04B 1/06** (2006.01); **H04B 1/16** (2006.01); **H04H 20/88** (2008.01)

CPC (source: EP)
H03D 3/241 (2013.01); **H03D 5/00** (2013.01); **H04B 1/1646** (2013.01)

Citation (search report)
• [A] US 4426728 A 19840117 - KAHN LEONARD R [US]
• See references of WO 9214299A1

Designated contracting state (EPC)
DE FR GB

DOCDB simple family (publication)
WO 9214299 A1 19920820; AU 1357392 A 19920907; AU 645669 B2 19940120; CA 2100447 A1 19920807; EP 0570480 A1 19931124; EP 0570480 A4 19940706; JP H05206737 A 19930813; TW 198162 B 19930111

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