

Title (en)  
SIMPLIFIED AM STEREO DETECTOR

Title (de)  
VEREINFACHTER AM-STEREO-DEKODER

Title (fr)  
DETECTEUR STEREO AM SIMPLIFIE

Publication  
**EP 1090469 A1 20010411 (EN)**

Application  
**EP 99926659 A 19990623**

Priority  
• GB 9901975 W 19990623  
• US 10460498 A 19980624

Abstract (en)  
[origin: WO9967905A1] Left and right stereo audio information is reproduced from a compatible quadrature amplitude modulation (C-QUAM) broadcast using a simplified approximation to true C-QUAM decoding. A synchronous detection approximation is used which avoids generating an envelope signal or calculating a cosine correction factor as in true C-QUAM decoding. The method requires less intensive computation power thereby allowing a digital signal processor to perform other functions at the same time. The method produces no perceivable distortion or artifacts when reproducing normal broadcast material.

IPC 1-7  
**H04H 5/00**

IPC 8 full level  
**H04H 5/00** (2006.01); **H04H 20/49** (2008.01)

IPC 8 main group level  
**H04H 1/00** (2006.01)

CPC (source: EP)  
**H04H 20/49** (2013.01)

Citation (search report)  
See references of WO 9967905A1

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DE ES FR GB IT

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**WO 9967905 A1 19991229**; CA 2335960 A1 19991229; EP 1090469 A1 20010411; JP 2002519889 A 20020702

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**GB 9901975 W 19990623**; CA 2335960 A 19990623; EP 99926659 A 19990623; JP 2000556463 A 19990623