

Title (en)  
AIR CONDITIONING UNIT

Title (de)  
KLIMAANLAGE

Title (fr)  
ORGANE DE CONDITIONNEMENT D'AIR

Publication  
**EP 1035384 A1 20000913 (EN)**

Application  
**EP 99969783 A 19990929**

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Abstract (en)  
A digital broadcasting receiver is provided which can reproduce a carrier quickly and capture a desired signal at high speed. A carrier reproduction phase error detection circuit (6) detects a phase error voltage in accordance with a demodulation output obtained by demodulating a demodulated wave of a modulated wave during a predetermined section in a header section. A peak number calculation circuit (92) calculates an error frequency between a desired reception frequency and a reproduction carrier frequency in accordance with the phase error voltage. A differential coefficient calculation circuit (94) calculates the polarity of the error frequency. A step frequency control circuit (96) converts the calculated error frequency having the calculated polarity into a step frequency width for automatic frequency control. The reproduction carrier frequency is scanned at the converted step frequency width until a frame sync is established after the frame sync is detected. It is therefore possible to reproduce the carrier quickly and capture the desired signal at high speed. <IMAGE>

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**F24F 1/00**

IPC 8 full level  
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