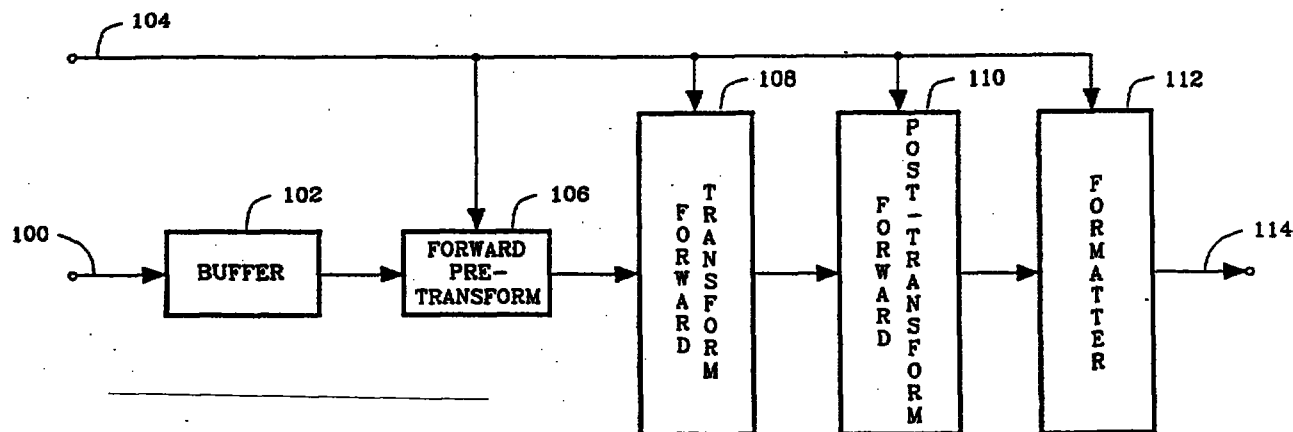


PCT

WORLD INTELLECTUAL PROPERTY ORGANIZATION
International Bureau

INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification ⁵ : H03H 17/02		A1	(11) International Publication Number: WO 92/22137																		
			(43) International Publication Date: 10 December 1992 (10.12.92)																		
(21) International Application Number: PCT/US92/04767 (22) International Filing Date: 5 June 1992 (05.06.92) (30) Priority data: 710,805 5 June 1991 (05.06.91) US (71) Applicant: DOLBY LABORATORIES LICENSING CORPORATION [US/US]; 100 Potrero Avenue, San Francisco, CA 94103-4813 (US). (72) Inventors: ANTILL, Michael, B. ; 79 Twelveoak Hill Drive, San Rafael, CA 94903 (US). DAVIDSON, Grant, Allen ; 4615 Reinhardt Drive, Oakland, CA 94619 (US). (74) Agents: GALLAGHER, Thomas, A. et al.; Law Office of Thomas A. Gallagher, 100 Green Street, Third Floor, San Francisco, CA 94111-1302 (US).		(81) Designated States: AT (European patent), AU, BE (European patent), BR, CA, CH (European patent), DE (European patent), DK (European patent), ES (European patent), FR (European patent), GB (European patent), GR (European patent), IT (European patent), JP, KR, LU (European patent), MC (European patent), NL (European patent), SE (European patent). Published <i>With international search report.</i> <i>Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.</i>																			
		<table border="1"> <thead> <tr> <th colspan="2">REPLACED SHEETS</th> <th>SG</th> </tr> </thead> <tbody> <tr> <td>☒</td> <td>Description : paged <u>1</u> to paged <u>23</u></td> <td></td> </tr> <tr> <td>☒</td> <td>Claim(s) : paged <u>24</u> to paged <u>26</u></td> <td></td> </tr> <tr> <td>☒</td> <td>Drawing(s) : paged <u>40</u> to paged <u>40</u></td> <td></td> </tr> <tr> <td>☒</td> <td>Abstract : paged <u>4</u> to paged <u>7</u></td> <td></td> </tr> <tr> <td colspan="3">DATE OF RECEIPT</td> </tr> </tbody> </table>		REPLACED SHEETS		SG	☒	Description : paged <u>1</u> to paged <u>23</u>		☒	Claim(s) : paged <u>24</u> to paged <u>26</u>		☒	Drawing(s) : paged <u>40</u> to paged <u>40</u>		☒	Abstract : paged <u>4</u> to paged <u>7</u>		DATE OF RECEIPT		
REPLACED SHEETS		SG																			
☒	Description : paged <u>1</u> to paged <u>23</u>																				
☒	Claim(s) : paged <u>24</u> to paged <u>26</u>																				
☒	Drawing(s) : paged <u>40</u> to paged <u>40</u>																				
☒	Abstract : paged <u>4</u> to paged <u>7</u>																				
DATE OF RECEIPT																					

(54) Title: **LOW COMPUTATIONAL-COMPLEXITY DIGITAL FILTER BANK**

This Sheet Has Been Replaced



(57) Abstract

The invention relates in general to digital encoding and decoding of information. More particularly, the invention relates to efficient implementation of digital analysis and synthesis filter banks used in digital encoding and decoding. In a preferred embodiment of the invention, the length of the filter bank used to implement critically-sampled analysis and synthesis filter banks may be adaptively selected.