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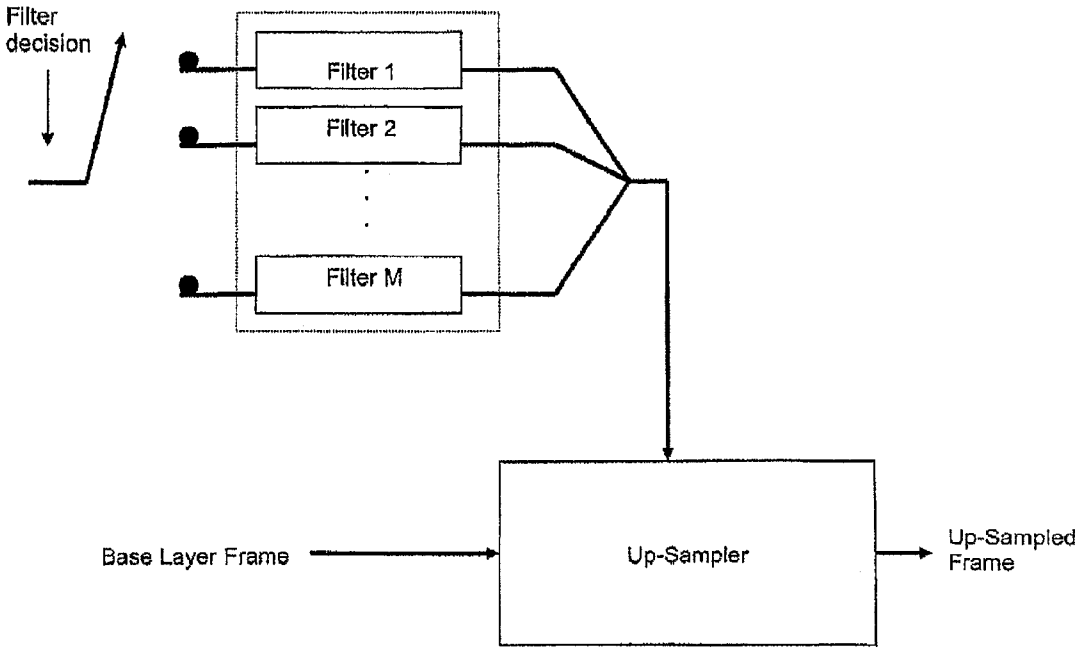
(54) **Title:** SWITCHED FILTER UP-SAMPLING MECHANISM FOR SCALABLE VIDEO CODING



(57) **Abstract:** An improved switched filter up-sampling mechanism for scalable video coding. A filter switching mechanism of the present invention takes advantage of the best performance of each of the filters in a collaborative manner. The switching process of the present invention can be generalized to more filter choices and potentially relieve the computational complexity due to the added freedom and flexibility of filter choices.

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