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(54) Title (EN): METHOD AND APPARATUS FOR INTRA PREDICTION WITH MULTIPLE WEIGHTED REFERENCES

(54) Title (FR): PROCÉDÉ ET APPAREIL DE PRÉDICTION INTRA À MULTIPLES RÉFÉRENCES PONDÉRÉES

(57) Abstract:

(EN): A method of performing intra prediction for encoding or decoding uses multiple layers of reference samples. The layers are formed into reference arrays that are used by a function, such as a weighted combination, to form a final prediction. The prediction is used in encoding or decoding a block of video data. The weights can be determined in a number of ways, and for a given prediction mode, the same weights, or different weights can be used for all pixels in a target block. If the weights are varied, they can depend on the distance of the target pixel from reference arrays.

(FR): L'invention concerne un procédé de réalisation d'une prédiction intra pour un codage ou un décodage, utilisant de multiples couches d'échantillons de référence. Les couches sont formées en matrices de référence qui sont utilisées par une fonction, comme une combinaison pondérée, pour former une prédiction finale. La prédiction est utilisée pour coder ou décoder un bloc de données vidéo. Les pondérations peuvent être déterminées de plusieurs manières et, pour un mode de prédiction donné, les mêmes pondérations, ou des pondérations différentes, peuvent être utilisées pour tous les pixels dans un bloc cible. Si les pondérations sont variées, elles peuvent dépendre de la distance du pixel cible aux matrices de référence.

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Declarations:

Declaration made as applicant's entitlement, as at the international filing date, to apply for and be granted a patent (Rules 4.17(ii) and 51bis.1(a)(ii)), in a case where the declaration under Rule 4.17(iv) is not appropriate