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(71) **Applicant:** **QUALCOMM INCORPORATED** [US/US];
ATTN: International IP Administration, 5775 Morehouse
Drive, San Diego, California 92121-1714 (US).

(72) **Inventors:** **LI, Yun**; 5775 Morehouse Drive, San Diego,
California 92121-1714 (US). **RUSANOVSKYY, Dmytro**;
5775 Morehouse Drive, San Diego, California 92121-1714
(US). **KARCZEWICZ, Marta**; 5775 Morehouse Drive,
San Diego, California 92121-1714 (US).

(74) **Agent:** **VREDEVELD, Albert W.**; Shumaker & Sieffert,
P.A., 1625 Radio Drive, Suite 300, Woodbury, Minnesota
55125 (US).

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(54) **Title:** NEURAL NETWORK VIDEO CODING IN-LOOP FILTERING IN TRANSFORM DOMAIN

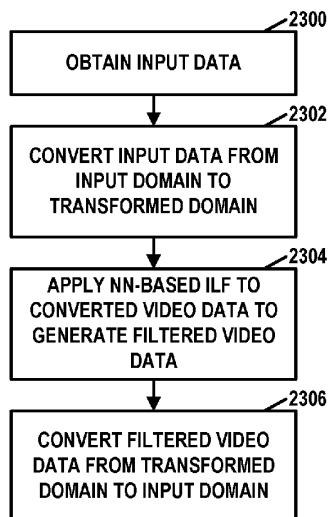


FIG. 23

(57) **Abstract:** A method of coding video data, the method comprising: obtaining input data, wherein the input data includes one or more of predicted video data, reconstructed video data, quantization parameter data, boundary strength data, or prediction mode data; converting the input data from an input domain to a transform domain to generate converted video data; applying a neural network (NN)-based in-loop filter (ILF) to the converted video data to generate filtered video data; and converting the filtered video data from the transform domain to the input domain.

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