

(12) PATENT APPLICATION PUBLICATION

(21) Application No.9714/CHENP/2013 A

(19) INDIA

(22) Date of filing of Application :05/12/2013

(43) Publication Date : 24/06/2016

(54) Title of the invention : BORDER PIXEL PADDING FOR INTRA PREDICTION IN VIDEO CODING

(51) International classification :H04N7/26,H04N7/34,H04N7/50
(31) Priority Document No :61/496504
(32) Priority Date :13/06/2011
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2012/042052
Filing Date :12/06/2012
(87) International Publication No:WO 2012/173991
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)QUALCOMM INCORPORATED
Address of Applicant :5775 Morehouse Drive International IP
Administration San Diego CA 92121 1714 U.S.A.
(72)Name of Inventor :
1)WANG Xianglin
2)CHIEN Wei Jung
3)KARCZEWICZ Marta
4)CHEN Peisong
5)CHEN Ying

(57) Abstract :

A video coder performs a padding operation that processes a set of border pixels according to an order. The order starts at a bottom left border pixel and proceeds through the border pixels sequentially to a top right border pixel. When the padding operation processes an unavailable border pixel the padding operation predicts a value of the unavailable border pixel based on a value of a border pixel previously processed by the padding operation. The video coder may generate an intra predicted video block based on the border pixels.

No. of Pages : 66 No. of Claims : 26