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(54) Title: **CCD CHARGE SPLITTER**

(57) Abstract

An apparatus and method of equalizing a first (a) and second (b) charge packet. The apparatus includes a charge splitter for splitting the first charge packet (a) into a third charge packet (aa) on the first side of the charge splitter and a fourth charge packet (ab) on the second side of the charge splitter. The second charge packet is split into fifth charge packet (ba) on the first side of the charge splitter and a sixth charge packet (bb) on the second side of the charge splitter. The apparatus includes a charge combiner for adding the third (aa) and sixth (bb) charge packets and the fourth (ab) and fifth (ba) charge packets.

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