

NULL SERVO PATTERN FOR BIT-PATTERNED MEDIA

ABSTRACT OF THE DISCLOSURE

A patterned recording media comprises a segment and a null pattern formed in the
5 segment. The segment comprises first and second rows of discrete magnetic elements
separated by a non-magnetic material, and a row of non-magnetic material positioned
between the first and second rows. The null pattern comprises consecutive groups of the
discrete magnetic elements in the first and second rows of the segment. Each group in the
first row has a magnetic polarity that is opposite the magnetic polarity of adjoining groups
10 in the first row. Each group in the second row has a magnetic polarity that is opposite the
magnetic polarity of adjoining groups in the second row.

15 FIGURE 4