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(54) Title: PHOTOMULTIPLIER TUBE (PMT) HAVING A REFLECTIVE PHOTOCATHODE ARRAY

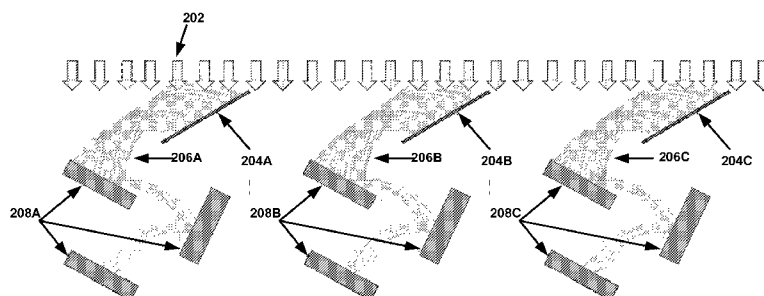


Figure 2

(57) **Abstract:** An internal portion of a photomultiplier tube (PMT) having a reflective photocathode array, and a method for manufacturing the same, are provided. The internal portion of the PMT comprises the reflective photocathode array and at least one dynode structure corresponding to the array of reflective photocathodes. Each reflective photocathode receives light and from the light, generates photoelectrons which then travel towards the at least one dynode structure. Upon the photoelectrons making contact with the at least one dynode structure, the photoelectrons are multiplied.

