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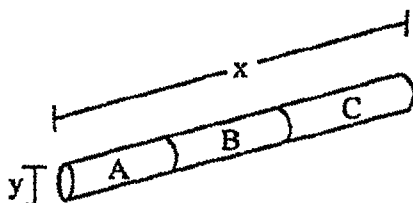
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(54) Title: COLLOIDAL ROD PARTICLES AS NANOBAR CODES



(57) Abstract: Freestanding particles comprising a plurality of segments, wherein the particle length is from 10 nm to 50 μ m and the particle width is from 5 nm to 50 μ m.