

Surveying probe and method for computing the spatial coordinates of a point

An extendible surveying probe comprises two collinear position detecting units that allow the probe to be used in an inclined position for accessing vertically inaccessible points with a tip thereof. The two position detecting units may consist of two GPS or GLONASS units used in association with another GPS or GLONASS unit installed on a known point or, alternatively, of two corner cubes used in association with a ground total station. The position detecting units provide spatial coordinates of two spaced-apart collinear points which may be used to extrapolate the coordinates of the point in contact with the tip of the probe.
