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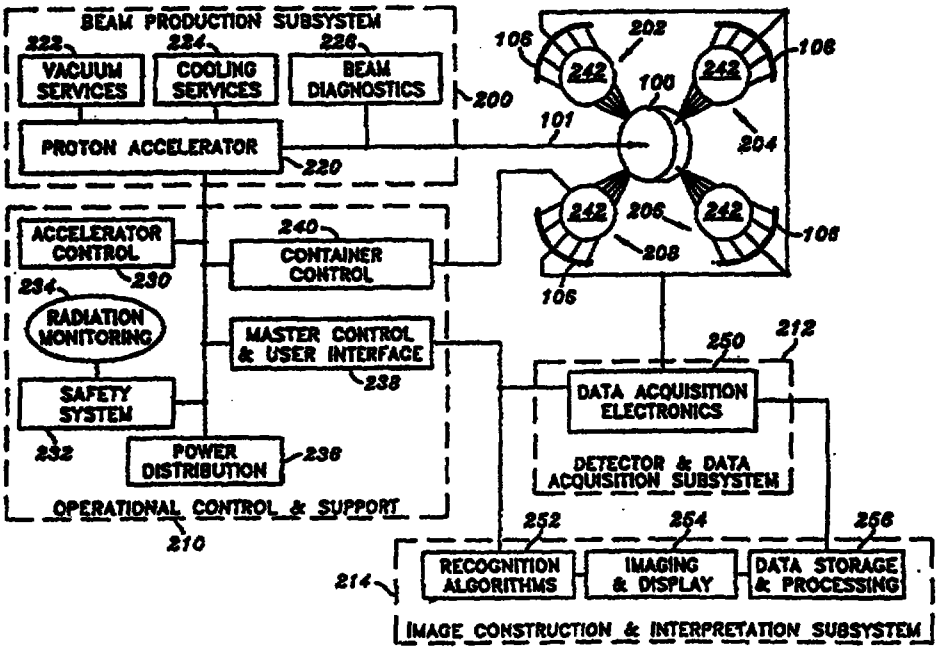
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(54) Title: MULTIPLE STATION GAMMA RAY ABSORPTION CONTRABAND DETECTION SYSTEM



(57) Abstract

A multiple station gamma ray absorption contraband detection system utilizes a proton source (200) and disk-shaped target (100) to provide a 360 degree resonant gamma ray cone which is suitable for use in four separate gamma ray absoprtion contraband detection stations (202, 204, 206, 208) simultaneously. The target has two beryllium walls coated with 13C and 34S so as to facilitate the detection of nitrogen and chlorine in a manner which reliably and effctively identifies contraband such as explosives and drugs via gamma ray absorption.