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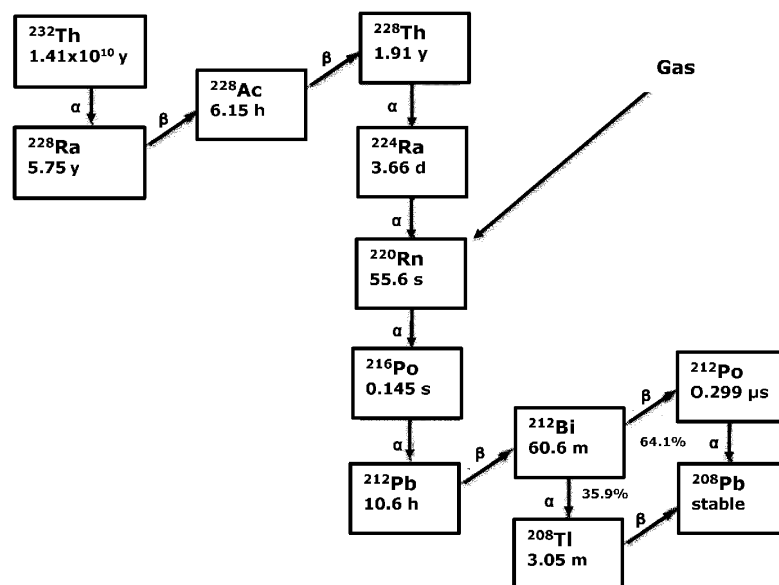


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(54) **Title:** PRODUCTION OF HIGHLY PURIFIED ^{212}Pb



(57) **Abstract:** The present invention relates to assemblies and method for obtaining a container comprising ^{212}Pb on the walls obtained from a ^{212}Pb precursor isotope source. The invention provides an improved system and method for producing ^{212}Pb in high purity without the need for processing, with high yields, and which safely and efficiently can be transported to the locations where it is to be used.

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