Docket #: S05-261

CT - X-ray Collimator for CT System

Reduced source spacing for multi-source, multi-detector X-ray imaging systems is provided by allowing channels within an X-ray collimator to intersect within the body of the collimator. As a result, the channels are not independent, and the source spacing can be significantly reduced. Although such collimators have a much more "open" structure than conventional collimators having independent channels, they can still provide efficient collimation performance (e.g., predicted leakage 5%). Several high attenuation layers having through holes and stacked together can provide collimators according to the invention, where the through holes combine to form the intersecting channels.

Patents

- Published Application: 20070133749
- Issued: 7,496,181 (USA)

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