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(12) United States Patent Singh

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US 8,345,813 B2

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Jan. 1, 2013

(54_APPARATUS SYSTEM AND METHOD FOR

(56)

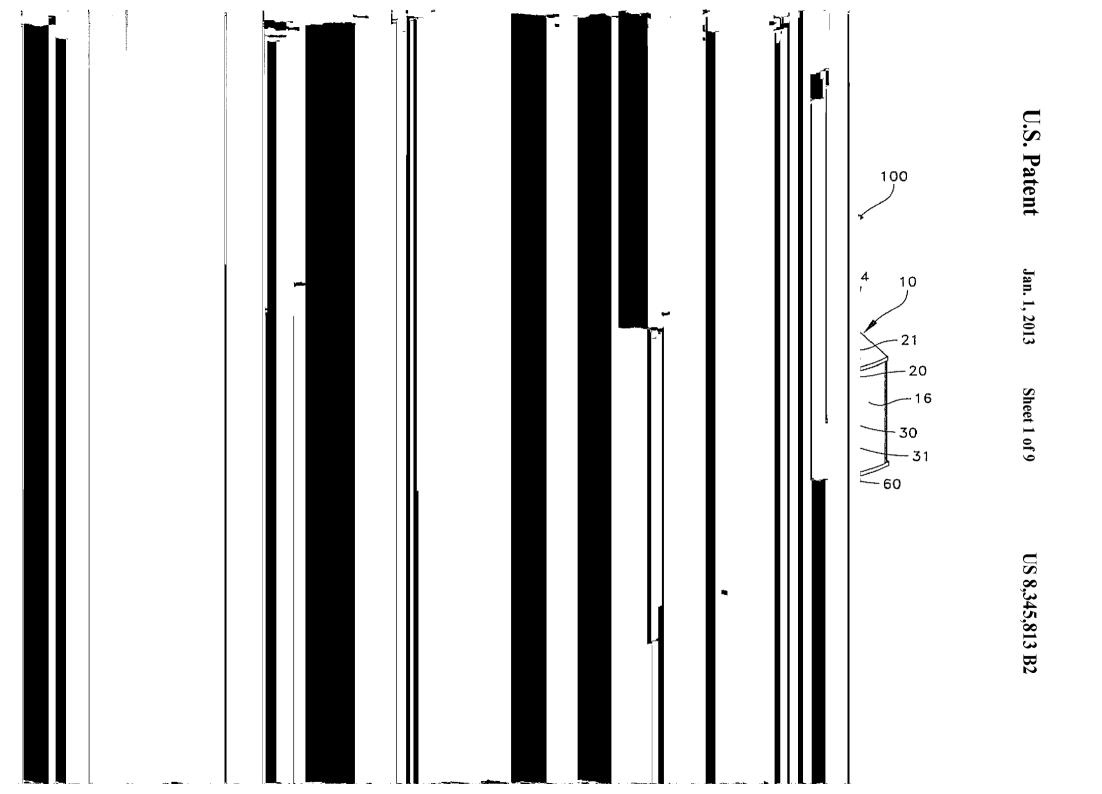
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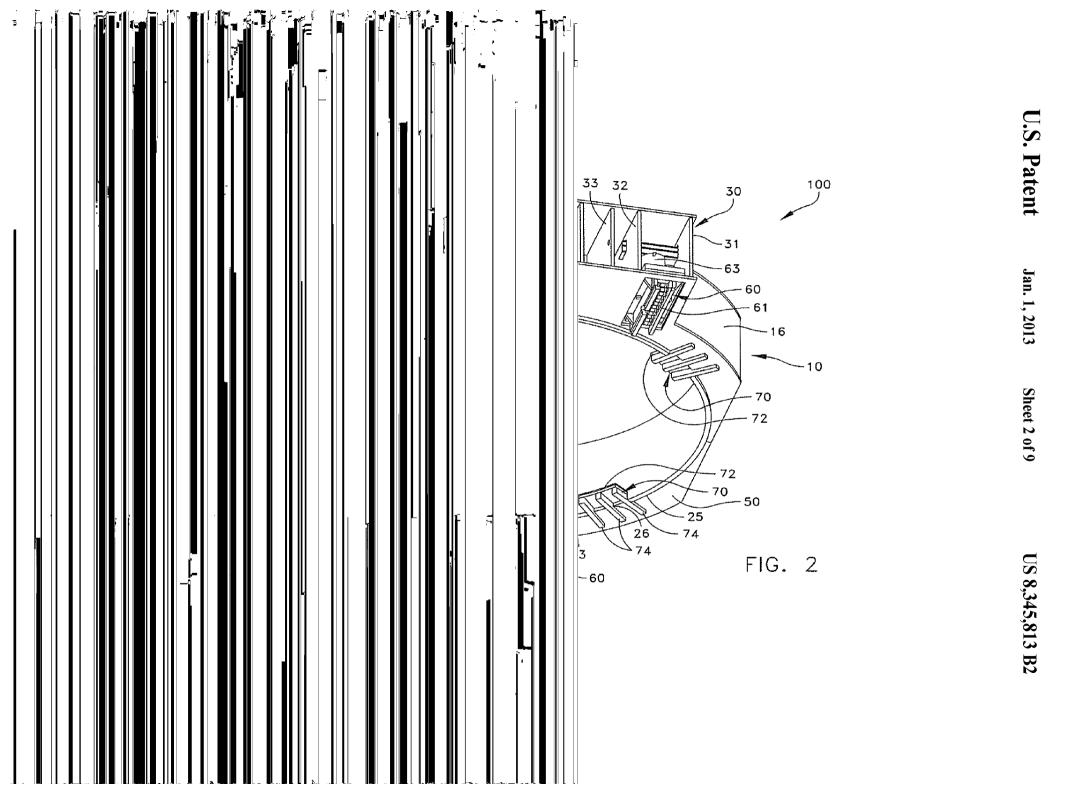
LOW PROFILE TRANSLATION OF HIGH LEVEL RADIOACTIVE WASTE CONTAINMENT STRUCTURE

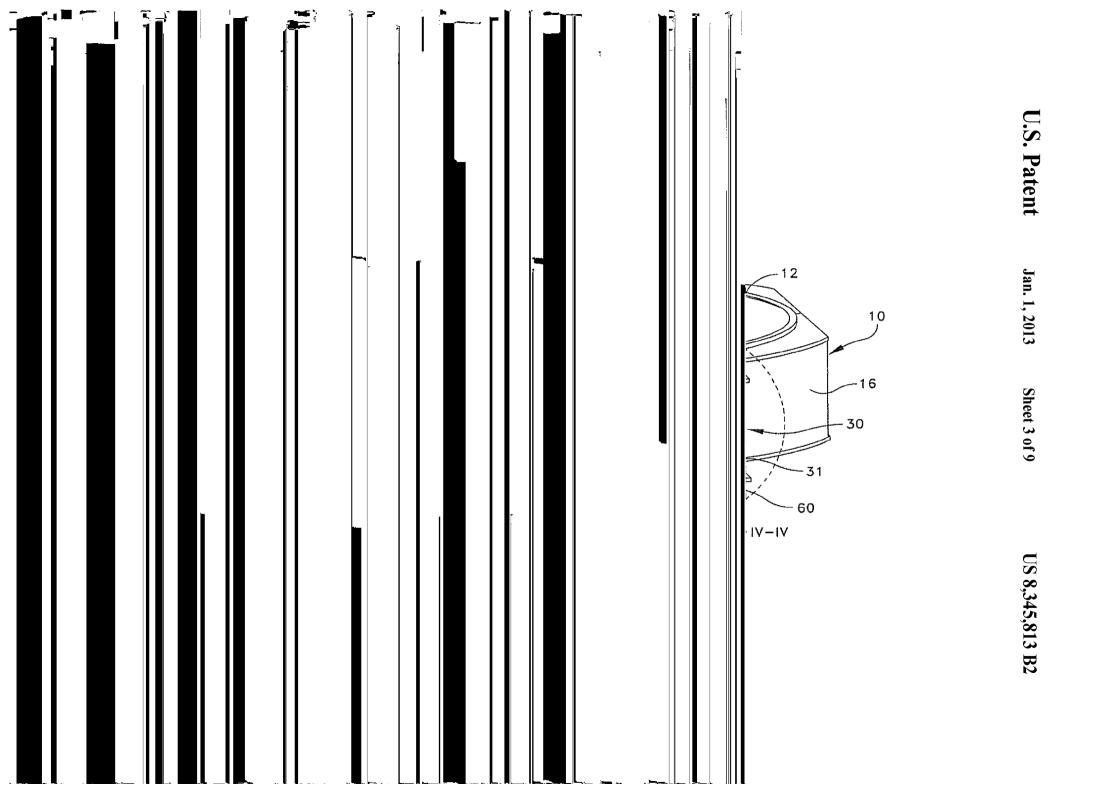
(75) Inventor: Krishna P. Singh, Jupiter, FL (US)

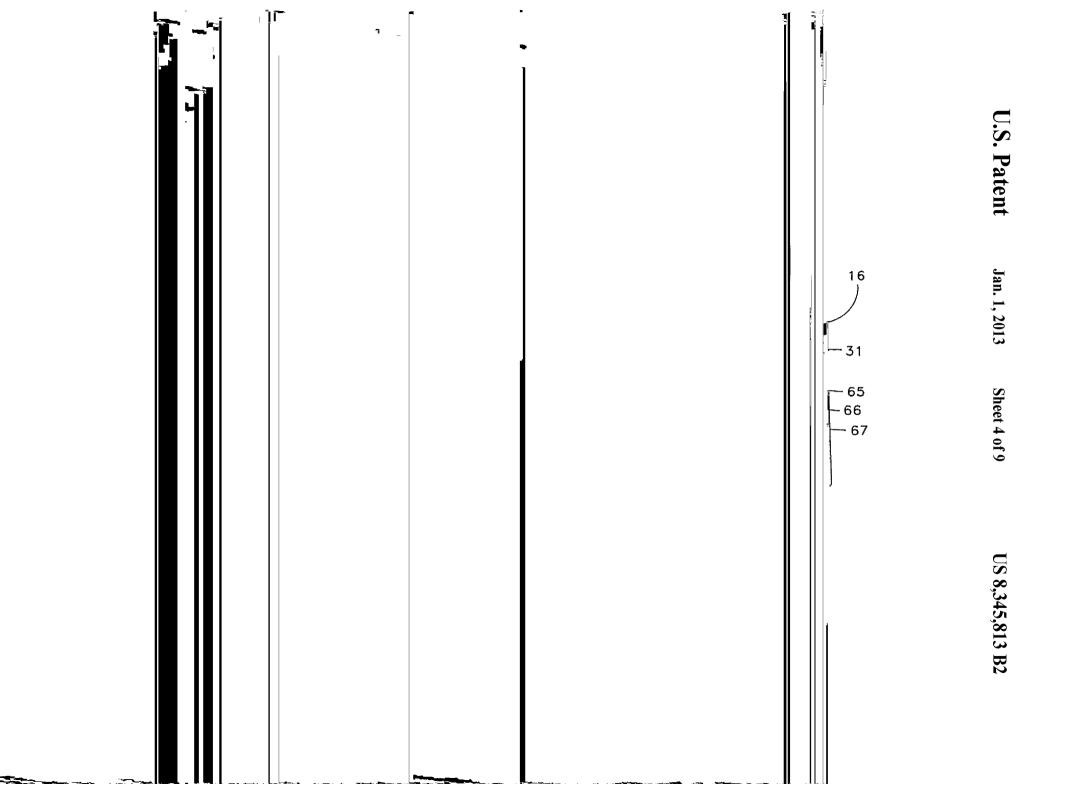
U.S. PATENT DOCUMENTS

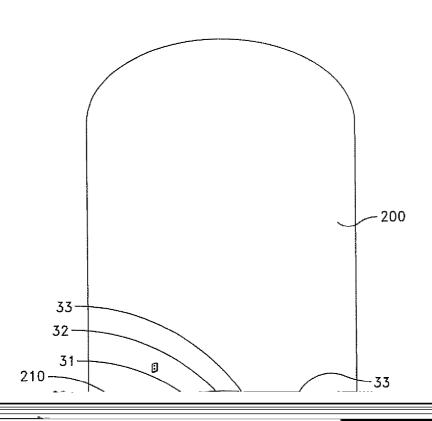
3,732,427 A * 5/1973 5,839,874 A * 11/1998	Clapp 280/43.14 Trudeau et al. 250/505.1 Johnston 414/459 Barth 414/495
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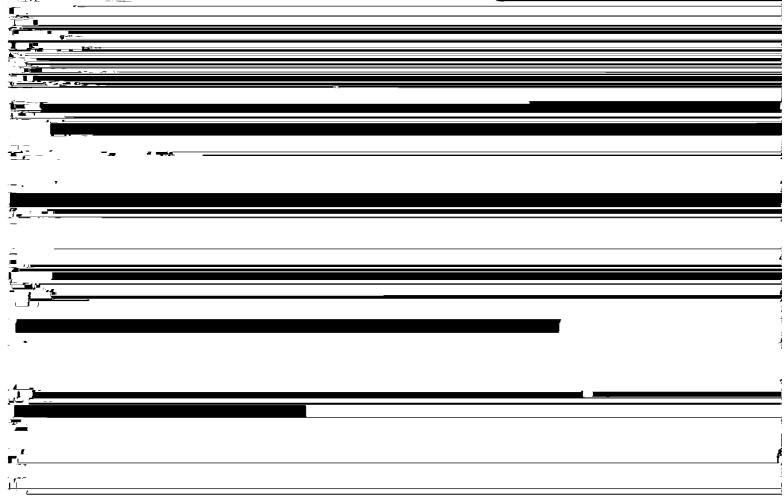


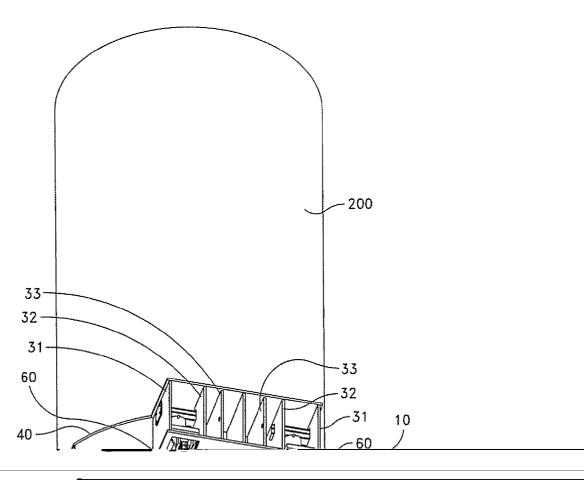


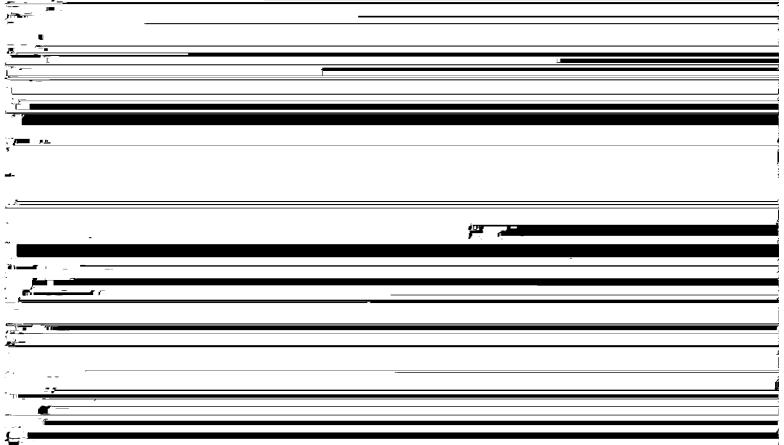








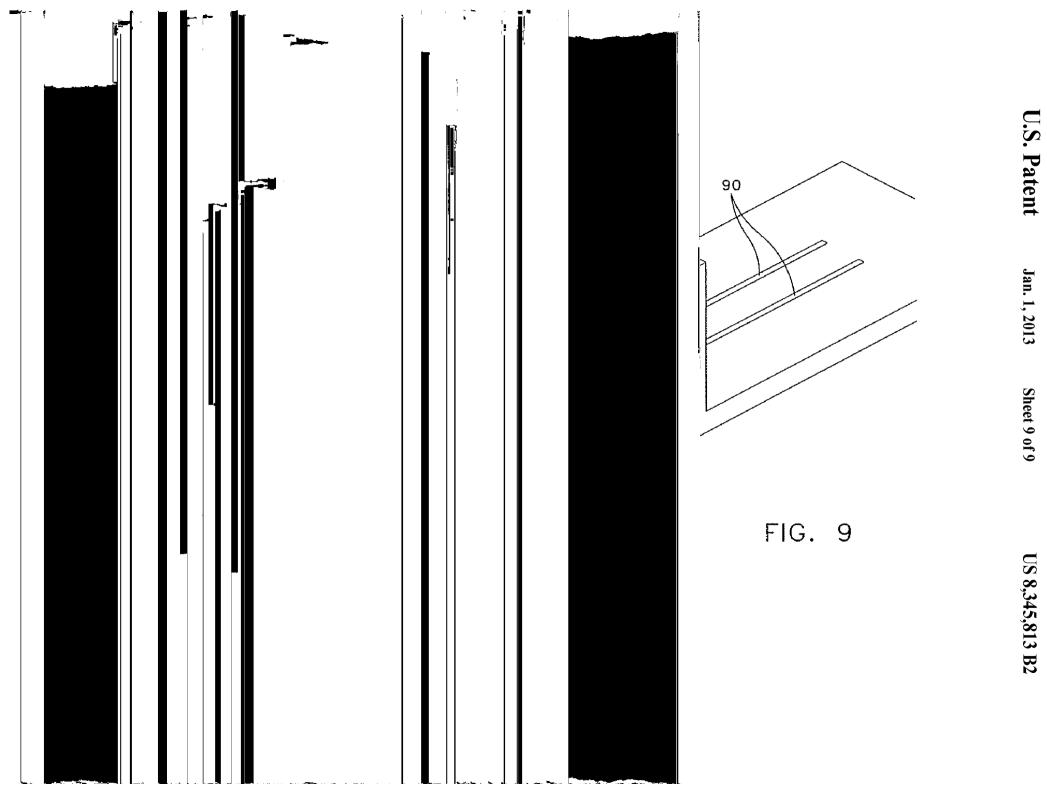




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APPARATUS, SYSTEM AND METHOD FOR LOW PROFILE TRANSLATION OF HIGH LEVEL RADIOACTIVE WASTE

COMMITTING CONTINUES

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casks often cause problems associated with lifting and handling. Typically, storage casks weigh approximately 150 tons and have a height greater than 15 ft. A common problem is

5 cranes because their weight exceed the rated capacity of the crane. CROSS-REFERENCE TO RELATED APPLICATIONS A common problem arises when the fully loaded transfer cask must be transported to the storage cask for the canister transfer procedure. Generally, the storage cask is located in a The present application claims the benefit of U.S. provisional application Ser. No. 60/887,505 filed on Jan. 31, 2007, 10 truck bay, or other location outside of the staging area. To get to the transfer cask, the storage cask may have to pass through the entirety of which is hereby incorporated by reference. a door of a nuclear plant's truck bay. The doors are typically

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8 the horizontal beam 63 extend through openings in the inner and outer plates 31, 32. A cover is put on the end of the horizontal beam 63 that materials from the outer plate 22. The 210 in the bottom surface 212 of the cask 200 are aligned with the contact plates 72 of the support members 70. the cask is

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