



(12) **DEMANDE DE BREVET CANADIEN**
CANADIAN PATENT APPLICATION

(57) **Abrégé(suite)/Abstract(continued):**

include a mold inhibitor. The method further involves slicing the elongated sheet into smaller, individual sheets and joining pairs of the individual sheets together along a periphery thereof to form the bag configured to receive the feed product. The polymer film can line the inner surface of the finished bag.

ABSTRACT

Methods of producing a bag for a feed product involve providing a multi-layered substrate, which includes one or more polymers. The method also involves extruding a polymer film onto a surface of the substrate to form an elongated sheet. The polymer film can include a mold inhibitor. The method further involves slicing the elongated sheet into smaller, individual sheets and joining pairs of the individual sheets together along a periphery thereof to form the bag configured to receive the feed product. The polymer film can line the inner surface of the finished bag.

MOLD INHIBITOR BAG

TECHNICAL FIELD

[001] Implementations relate to packaging materials configured to inhibit mold growth and methods of forming and using same. Particular implementations include multi-layered animal feed bags comprising calcium propionate.

BACKGROUND

[002] Mold growth on various feed products is a widespread problem for producers and consumers. Even feed products properly packaged according to strict industry standards can be susceptible to mold growth, especially where the feed products contain moderate to high levels of moisture. To prevent mold growth, current approaches typically involve incorporating various mold inhibitor agents directly into the feed products during production. Such approaches remain vulnerable to mold growth, however, due to the

