

AbstractLid System

5 A double-lidded posting port to allow transfer of
material between an enclosure (12) and a drum (14) includes
a rotary catch mechanism (60, 64, 68) to secure the drum's
lid (36) to the door 24 of the enclosure, with a dog clutch
(62, 74) to drive simultaneously another rotary catch
10 mechanism (70, 76) to release the lid (36) from the drum
(14), operation of both mechanisms involving a rotation of
about 45°. By means of a cam (54), interlocks (90, 95 and
88, 96) are provided to prevent opening of the door (24)
until the lid (36) is secured to the door (24), and to
15 prevent operation of the rotary mechanism (60, 64, 68) when
the door (24) is open, or when the door is closed but no
lid (36) is adjacent to it.