

LINT COLLECTOR FOR CLOTHES DRIER

ABSTRACT

5 A rotating drum clothes drier (1) has an annular lint filter (28, 30) which rotates
with the drier drum (4) and which encircles the drier door (18). Heated air enters an
inlet (8) at one end of the drum (4), passes through the clothes in the drum (4) (picking
up lint from the clothes), through the annular lint filter (28, 30) and out of the drier (1).
During operation, lint collects on the inner surface of the rotating filter (28, 30),
10 eventually building up to form a felted layer. A scraper blade (42) fixed to the drier
cabinet (2) and aligned with (but displaced a fixed distance from) the surface of the filter
(28, 30) peels the felted layer of lint from the filter (28, 30) once the thickness of the felt
is such that the scraper blade (42) contacts the lint felt. The layer of lint felt thus
removed from the filter surface (30) is then collected in a cavity (19) within the drier door
15 (18) for storage and later disposal.

[Figure 1 is suggested for publication]