

INFORMATIONAL DISC HANDLING APPARATUS
FOR A MULTIPLE DISC PLAYER

ABSTRACT

5 A multiple compact disk (CD) carousel mechanism for a CD
player has a novel loading drawer (138) mechanism employing
the combination of a pin arm (128) and a uniquely configured
drawer guide slot (202) (within which a pin (130) attached to the
end of the pin arm travels) attached to the underside of the
10 drawer for carrying out the following operations: drawer opening;
drawer locking in the opened position; drawer closing; and drawer
locking in the closed position. The improved design obviates the
need for prior art rack and pinion gears for drawer movement,
and also obviates the need for separate prior art drawer lock-in
15 and drawer lock-out mechanisms (requiring additional springs,
levers and gears).

Figure 2