

CLAIMS

1. A printer comprising:
a convexly curved media path for feeding print media along a media feed direction,
5 the curved media path having an apex, a first section upstream of the apex and a second section downstream of the apex;
a plurality of printheads radially arranged with respect to the curved media path, the plurality of printheads including a first printhead positioned for printing onto the first section and a second printhead positioned for printing onto the second section;
10 a plurality of cappers for capping the plurality of printheads, each capper being positioned at one longitudinal side of a respective printhead and each capper being laterally moveable between capped and uncapped positions; and
a lift mechanism for lifting and lowering the printheads between a maintenance position and a printing position,
15 wherein a first capper is positioned downstream of the first printhead and a second capper is positioned upstream of the second printhead in respective uncapped positions.
2. The printer of claim 1, wherein the plurality of printheads are mounted on a print chassis.
20
3. The printer of claim 2, wherein the print chassis comprises a plurality of print modules mounted thereon, each print module comprising a respective one of the printheads
4. The printer of claim 1, wherein the plurality of cappers are mounted on a
25 maintenance chassis fixedly mounted relative to the curved media path, and wherein the lift mechanism moves the print chassis relative to the maintenance chassis.
5. The printer of claim 4, wherein the lift mechanism vertically translates the print chassis and the printheads relative to the maintenance chassis.
30
6. The printer of claim 4, wherein the maintenance chassis comprises a plurality of maintenance modules for maintaining the plurality of printheads, the maintenance modules being radially arranged with respect to the curved media path.

7. The printer of claim 6, wherein each maintenance module comprises a respective one of the cappers.
8. The printer of claim 7, wherein each maintenance module comprises an extension
5 mechanism for laterally extending and retracting the capper between the capped and uncapped positions, respectively.
9. The printer of claim 7, wherein each maintenance module further comprises a wiper carriage for longitudinally wiping a respective printhead.
10
10. The printer of claim 9, wherein each maintenance module comprises an L-shaped frame having a longer leg housing the capper and a shorter leg housing the wiper carriage.
11. The printer of claim 10, wherein a second maintenance module having the second
15 capper is rotated by 180 degrees relative to a first maintenance module having the first capper.
12. The printer of claim 10, wherein each printhead extends and retracts through a space defined by a respective maintenance module in the printing and maintenance positions,
20 respectively.
13. The printer of claim 4 further comprising a support chassis having a plurality of rollers defining the curved media path, wherein the maintenance chassis is fixedly mounted on the support chassis.
25
14. A print engine comprising:
a support chassis having a plurality of rollers defining a convexly curved media path for feeding print media along a media feed direction, the curved media path having an apex, a first section upstream of the apex and a second section downstream of the apex;
30 a plurality of maintenance modules fixedly mounted relative to the support chassis;
a print chassis positioned over the support chassis, the print chassis comprising a plurality of print modules radially arranged with respect to the curved media path, the plurality of print modules including a first print module having a first printhead positioned for

printing onto the first section and a second print module having a second printhead positioned for printing onto the second section;

a lift mechanism for linearly lifting and lowering the maintenance chassis relative to the support chassis between a maintenance position and a printing position,

5 wherein:

each maintenance module comprises a capper for capping a respective printhead, each capper being positioned at one longitudinal side of the respective printhead and each capper being laterally moveable between capped and uncapped positions;

a first capper is positioned downstream of the first printhead in its uncapped position;

10 and

a second capper is positioned upstream of the second printhead in its uncapped position.