

A B S T R A C T

A SELF-PROPELLED CARRIAGE SUITABLE FOR MOVING IN A
CYLINDRICAL GALLERY

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The invention relates to a self-propelled carriage
suitable for traveling in a gallery of substantially
cylindrical shape. The carriage comprises a chassis (1)
made up of two wheel sets (14); a skip (10); and a
10 horizontal longitudinal support axis (16) on which said
skip is pivotally mounted. Each wheel set comprises two
arms (24, 26) each having a first end pivotally mounted
on one end of said axis; two rotary drive shafts (32)
extend orthogonally to the support axis and are mounted
15 at the opposite ends of the arms; drive means (38) for
rotating said shafts; and two wheels (40, 42), each wheel
comprising a hub (54) secured to a respective drive
shaft, at least one circular disk secured to the hub, and
having its periphery fitted with a plurality of rollers
20 mounted to rotate freely about axes that are orthogonal
to the axis of the wheel.

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Translation of the title and the abstract as they were when originally filed by the
35 Applicant. No account has been taken of any changes that may have been made
subsequently by the PCT Authorities acting ex officio, e.g. under PCT Rules 37.2,
38.2, and/or 48.3.



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