

ABSTRACT

METHOD OF RESTORING A HOLLOW CYLINDRICAL OBJECT AND RELATED
HOLDING MECHANISM

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A method of restoring a hollow cylindrical object e.g. a pipe (100), comprising:

- A. providing a holding mechanism (200) expandable to attain a larger cross-section and contractible to attain a smaller cross-section;
- 10 B. providing a restoring material (300) having a curable bonding agent and applying the restoring material (300) on an outer surface (201) of the holding mechanism (200);
- C. placing the holding mechanism (200) inside the pipe;
- 15 D. expanding the holding mechanism (200) to bring and hold the restoring material (300) against an inner surface (110) of the pipe (100);
- E. allowing the bonding agent to cure to bond the restoring material (300) to the inner surface (110); and
- 20 F. contracting the holding mechanism (200) and then removing the holding mechanism (200) from the pipe (100).

The holding mechanism (200) has a cylindrical body (210) for use inside the pipe (100), and adjustment device (220) for

25 expanding the body (210) to hold the restoring material (300) against the inner surface (110) and subsequently for contracting the body (210) for movement.

[Figure 7]