

Title (en)

Apparatus and method for coating the exterior surface of a pipe

Title (de)

VORRICHTUNG UND VERFAHREN ZUM BESCHICHTEN DER AUSSENBEREICHES EINES ROHRES

Title (fr)

APPAREIL ET PROCEDE POUR APPLIQUER UN REVETEMENT SUR LA SURFACE EXTERIEURE D'UN TUYAU

Publication

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Application

EP 04077353 A 20010517

Priority

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- US 20609300 P 20000520

Abstract (en)

The exterior surface of a pipe is coated around its full perimeter without rotation of the pipe or the complete coating apparatus. In one example, the coating apparatus includes coating heads attached to a rotor with the coating material supplied under positive air pressure via a stator. The coating heads rotate with the rotor and eject coating material onto the exterior surface of the pipe. In a second example, the coating apparatus is stationary and coating material is delivered under positive air pressure through chambers within the apparatus.

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CPC (source: EP)

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Citation (applicant)

- US 4595607 A 19860617 - BETTERIDGE JOHN W [GB], et al
- US 5725668 A 19980310 - FOSTER ELIZABETH F [US], et al

Cited by

CN108339686A; CN108114836A; CN108114837A; CN108212612A; EP3011221A4; US10688517B2; WO2017017658A3

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