

Title (en)  
APPARATUS FOR SPRAYING LINING

Publication  
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Application  
**EP 81850099 A 19810601**

Priority  
SE 8004257 A 19800606

Abstract (en)  
[origin: EP0041932A1] The present invention describes primarily a sprayer for spraying lining on the inner surface of tunnels, deep vessels etc., e.g. ladies. The sprayer comprises a first elongated conduit (1) having an entrance end through which dry lining material is conveyed by a carrier gas and terminating at its other end in one or more mixing nozzles (5) with at least one discharge lance (6), through which the lining material is sprayed; at least one second elongated conduit (9,10) arranged outside and beside said first conduit (1) with an entrance end for a wetting agent for the lining material, and the other end of which being connected to the mixing nozzle (5); a first rotary coupling (2) intermediate the first conduit and the mixing nozzle (5); a second rotary coupling (3) intermediate the second conduit (9,10) and the mixing nozzle (5), said second coupling comprising a member (16) fixed to the first conduit (1) and a member (15) arranged around the first conduit, said members being rotatable relative to each other, the rotatably arranged member (15) being joined to the mixing nozzle(s) (5) so that the rotary couplings provide relative rotational movement between the conduits' entrance ends and outlet ends in the mixing nozzle(s) (5); and a drive means (4) for driving the mixing nozzle (5) with the discharge lance (6) in a rotating manner so that the lining material is sprayed out for even coating of the inner surface. If the dry lining material is left out, a plurality of nozzles (5) can be arranged which are supplied with different wetting agents, and the sprayer according to the invention can be used for interior painting of cisterns and pipes of large diameter, for example.

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