Title (en)
   SYSTEM FOR FILLING LINERS

Title (de)
   ANLAGE FÜR DAS BEFÜLLEN VON AUSKLEIDUNGSSCHLÄUCHEN (LINER)

Title (fr)
   INSTALLATION DE REMPLISSAGE DE FLEXIBLES DE REVÊTEMENT (LINER)

Publication
   EP 2440983 A2 20120418 (DE)

Application
   EP 10722912 A 20100528

Priority
   • CH 2010000142 W 20100528
   • CH 9052009 A 20090611

Abstract (en)
   [origin: WO2010142050A2] The system is used for impregnating liners with epoxy resin and the curing agents therefor, and includes an epoxy resin tank (1) having a discharge pipe (3) with a pump (5), as well as a curing agent tank (2) having an discharge pipe (4) with a pump (6). Each discharge pipe (3, 4) leads through a flowmeter device (9, 10). A control unit (25) is used to process the signals from the flow meter devices (9, 10), the amount of resin flow being used as a control variable. The control unit (25), where the desired mixing ratio can be set as a parameter, sets or readjusts the curing agent pump to the exact amount of curing agent needed. A three-way valve (13, 14) is built into each of the epoxy and curing agent discharge pipes (3, 4) downstream the pumps (5, 6) and the flow meter devices (9, 10). From each three-way valve (13, 14), a conduit (15, 16) leads back into the corresponding tank (1, 2), and a further conduit (17, 18) leads to the mixing nozzle (19). Furthermore, refill conduits (21, 22), each having a valve (23, 24), lead to the corresponding discharge pipe (3, 4) so that the system can refill itself.

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   G05D 11/13 (2006.01)

CPC (source: EP US)
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