

Title (en)

METERING DEVICE FOR CRYOGENIC PELLETS

Title (de)

DOSIERVORRICHTUNG FÜR KRYOGENE PELLETS

Title (fr)

DISPOSITIF DE DOSAGE POUR COMPRIMES CRYOGENES

Publication

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Application

EP 98953103 A 19981023

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- NL 9800613 W 19981023
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Abstract (en)

[origin: WO9922909A1] The invention concerns a metering device (1) for cryogenic pellets which are used in a blast cleaning apparatus to treat surfaces. The cryogenic pellets are by example bars of compressed dry ice (carbon dioxide). The metering device (1) is characterised by the use of sliding surfaces which are treated with a layer of nickel which contains ceramic material or sapphire powder. The metering device (1) has a metering disk (4) with openings (5) which while turning pass the intake opening (2) and thereafter pass the exhaust (3) opening where the pellets are transported to the mixing unit (25). The metering disk (4) is confined between plates (7, 8) where inbetween an elastic seal (15-17) is placed. The plates (7, 8) are pressed against the metering disk (4) with sets of springs. The metering device (1) has no ventilation openings for the openings (5) in the disk (4) and the space around the disk is not ventilated. The metering disk (4) has only one axis (6) with a bearing (10).

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