

(12) 按照专利合作条约所公布的国际申请

(19) 世界知识产权组织
国际局



(43) 国际公布日
2006 年 7 月 27 日 (27.07.2006)

PCT

(10) 国际公布号
WO 2006/076827 A1

(51) 国际专利分类号:

B24C 7/00 (2006.01) F15B 11/17 (2006.01)
B24B 57/02 (2006.01)

(21) 国际申请号: PCT/CN2005/000081

(22) 国际申请日: 2005 年 1 月 18 日 (18.01.2005)

(25) 申请语言: 中文

(26) 公布语言: 中文

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DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW。

(84) 指定国 (除另有指明, 要求每一种可提供的地区保护): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), 欧亚 (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), 欧洲 (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG)。

根据细则4.17的声明:

— 发明人资格(细则4.17(iv))

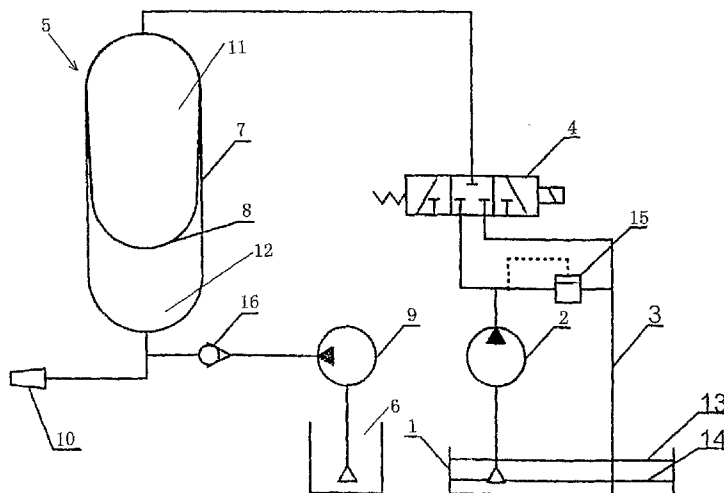
本国际公布:

— 包括国际检索报告。

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(54) Title: BLASTING DEVICE FOR PREMIXED ABRASIVE SLURRY

(54) 发明名称: 一种前混合式磨料浆液射流发生装置



(57) Abstract: The present invention relates a blasting device for premixed abrasive slurry jet. The device includes a cylinder, in which defines a hydraulic oil side and a slurry side separated from each other hermetically, and the hydraulic oil side and the slurry side have ports for oil or slurry in and out respectively; oil feedway which is connected to the port of the cylinder for oil in and out by oil pipe; slurry feedway which is connected to the port of the cylinder for slurry in and out by slurry pipe; said cylinder sets up a sealed bladder to separate the hydraulic oil side and the slurry side. Friction between bladder and body become very little, as the slurry is ejected from the nozzle by utilizing the transformation of the bladder. So service life of the blasting device become longer. Furthermore, if the bladder mangle due to wear for use a long time, bladder can be renewed only. It is not necessary to renew the whole cylinder. So the cost of production cuts down.

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(57) 摘要：

一种前混合式磨料浆液射流发生装置，包括：液压缸，其内部设有相互动态密封分隔的液压油区和浆液区，并在液压缸体的液压油区和浆液区分别设有油进出用开口或浆液进出用开口；通过液压油用管道与所述液压缸的油进出口用开口相连的液压油供给系统；通过浆液用管道与所述液压缸的浆液进出用开口相连的浆液供给系统；所述液压缸通过内部设置的一密封皮囊实现液压区与浆液区的动态密封分隔。由于，是利用皮囊的变形来挤压浆液从喷嘴喷出的，皮囊和壳体之间的摩擦很小，因此，延长了射流发生装置的使用寿命。而且，即使由于长期磨损后，皮囊有所损坏，也只需更换皮囊，而不需要替换整个液压缸，维护简单，降低了生产成本。