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Wu**(10) Patent No.:** US 7,043,776 B1
(45) Date of Patent: May 16, 2006**(54) SHOWER ASSEMBLY****(76) Inventor:** Chao-Chang Wu, No. 88-1, Chien Ming Rd., Ta Li City, Taichung Hsien (TW)**(*) Notice:** Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.**(21) Appl. No.:** 11/069,862**(22) Filed:** Feb. 28, 2005**(51) Int. Cl.**
A47K 3/22 (2006.01)**(52) U.S. Cl.** 4/601**(58) Field of Classification Search** 4/567-568, 4/570, 601

See application file for complete search history.

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(57) ABSTRACT

A shower assembly has a standing pipe, a connector, an overhead pipe, a fixed overhead shower head, a control valve, a handheld showerhead, a handheld showerhead bracket and a directional valve. The connector has a three-way passage. The directional valve is mounted inside the passage to direct water to flow selectively into either the overhead pipe or the standing pipe and has a tubular valve body, a valve rod, a primary disk and a secondary disk. The tubular valve body has a top opening, a bottom opening and a side opening communicating respectively with three ends of the passage. The valve rod is moveably mounted in the valve body. The primary disk and the secondary disk are mounted on the valve rod to selectively close the top opening or the bottom opening.

6 Claims, 6 Drawing Sheets