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VENTING VALVE ASSEMBLY FOR CASTING MOULDS

Abstract of the Disclosure

The venting valve assembly for casting moulds comprises a venting valve for closing a venting channel. The venting valve comprises a valve housing in which a closure member is received that is movable between an open position and a closed position. The closure member can be frictionally locked in its open position and simultaneously biased in closing direction. For frictionally locking the closure member, a chamber is provided that can be put under a hydraulic overpressure. The chamber has a wall portion that bulges towards the closure member in response to the overpressure. The wall portion is resilient such that it moves back to a position releasing the closure member once the overpressure in the chamber is reduced. For reducing the pressure in the chamber, a release valve is provided which is controlled by a sensor detecting any casting material penetrating into the venting channel. The biasing of the closure member in closing direction is performed pneumatically.



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