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(54) Title: AUTOMATED SYSTEM FOR THE RADIATION TREATMENT OF A DESIRED AREA WITHIN THE BODY OF A PATIENT		
(57) Abstract This invention is a transfer device usable in a system for intraluminal treatment of a selected site in a body of a patient in which the transfer device has an integral pump (66) for pressurizing, for circulating fluid through a fluid path defined by the transfer device and associated catheter. A removable fluid cartridge (50) is provided including a reservoir (52) from which fluid is drawn by the pump (66) and into which fluid is returned after being circulated through the fluid path. The pump (66) may be a peristaltic pump (66) and the fluid cartridge (50) may include an elongated fluid pick-up having an inlet through which fluid is introduced into the transfer device. The fluid pick-up is sized in length so that the inlet is always submerged in the fluid regardless of the orientation of the transfer device. A removable treatment cartridge (70) having a lumen forming part of the fluid path may also be provided, and a storage sleeve for the treatment cartridge (70) may be of a radiation-blocking material, such as quartz.		

