

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202211031524 A

(19) INDIA

(22) Date of filing of Application :01/06/2022

(43) Publication Date : 23/12/2022

(54) Title of the invention : CONTRAST AGENT MONITORING SYSTEM IN RADIOLOGY

(51) International classification :A61B0005110000, A61B0005145000, A61K0049100000, A61M0039280000, A61B0005146800

(86) International Application No :NA
Filing Date :NA

(87) International Publication No : NA

(61) Patent of Addition to Application Number :NA
Filing Date :NA

(62) Divisional to Application Number :NA
Filing Date :NA

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(57) Abstract :

A contrast agent monitoring system 100 is disclosed. The system 100 includes an apparatus 102 to introduce a contrast agent into at least one part of body of a subject while performing a diagnostic imaging examination such as x-ray, MRI, and etc. The system 100 includes a regulating unit to control flow of the contrast agent from a drip chamber 108 to the subject. Additionally, one or more sensors 114 attached to the drip to detect level of contrast agent in the drip chamber 108. Upon detection of the level of contrast agent exceeded a predefined threshold level, a notification is transmitted to a mobile computing device, and associated entity controls the regulation unit from a remote location to prevent flow of the contrast agent into the body of the subject.

No. of Pages : 19 No. of Claims : 9