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(54) Title (EN): IMAGING DEVICES HAVING PROGRESSIVE MAGNIFICATION

(54) Title (FR): DISPOSITIFS D'IMAGERIE À GROSSISSEMENT PROGRESSIF

(57) Abstract:

(EN): A method and apparatus for capturing an image of at least one object appearing in a field of view (FOV). A housing has an image sensor and a base lens assembly fixedly mounted relative thereto. A moveable lens assembly is movably mounted relative to the housing. The moveable lens, the base lens assembly, and the image sensor are aligned such that light received within the FOV passes through the moveable lens and the base lens assembly and impinges onto the image sensor. The light received from the FOV forms an original image prior to entering the movable lens and the base assembly. Light from the FOV impinging onto the sensor forms an impinging image.

(FR): L'invention concerne un procédé et un appareil de capture d'une image d'au moins un objet apparaissant dans un champ de vision (FOV). Un boîtier comprend un capteur d'image et un ensemble lentille de base montés à demeure par rapport audit boîtier. Un ensemble lentille mobile est monté mobile par rapport au boîtier. La lentille mobile, l'ensemble lentille de base et le capteur d'image sont alignés de sorte que la lumière reçue dans le FOV traverse la lentille mobile et l'ensemble lentille de base et frappe sur le capteur d'image. La lumière reçue du FOV forme une image initiale avant d'entrer dans la lentille mobile et dans l'ensemble de base. La lumière provenant du FOV qui frappe sur le capteur forme une image incidente.

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Declarations:

Declaration made as applicant's entitlement, as at the international filing date, to apply for and be granted a patent (Rules 4.17(ii) and 51bis.1(a)(ii)), in a case where the declaration under Rule 4.17(iv) is not appropriate