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(54) Title (EN): AN IMPROVED SPEAKING VALVE

(54) Title (FR): VALVE DE PHONATION AMÉLIORÉE

(57) Abstract:

(EN): A speaking valve for use with a tracheostomy and voice prosthesis, that, in a first configuration, allows inspiration and expiration through the valve; and in a second configuration resists expiration. Increasing the pressure difference across the valve by increasing the rate of expiration to a predetermined threshold causes the valve to transition into the second configuration; and the second configuration the valve continues to resist expiration until a predetermined negative pressure difference across the valve causes it to transition back into the first configuration.

(FR): Une valve de phonation destinée à être utilisée avec une trachéotomie et une prothèse vocale, qui, dans une première configuration, permet l'inspiration et l'expiration à travers la valve; et dans une seconde configuration, résiste à l'expiration. L'augmentation de la différence de pression au niveau de la valve par augmentation de la vitesse d'expiration jusqu'à un seuil prédéterminé amène la valve à passer dans la seconde configuration; dans la seconde configuration, la valve continue à résister à l'expiration jusqu'à ce qu'une différence de pression négative prédéterminée au niveau de la valve l'amène à revenir dans la première configuration.

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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