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(54) Title (EN): COMBINATION GLOVE FOR DETECTING BREACH OF HYDROPHILIC FLUID

(54) Title (FR): GANT COMBINÉ POUR DÉTECTER UNE FUITE DE FLUIDE HYDROPHILE

(57) Abstract:

(EN): Provided for example is a combination glove comprising: (a) an top elastomer layer with an inner surface, the top elastomer layer being translucent or transparent; (b) an bottom elastomer layer with an outer surface, the bottom elastomer layer being darker than the top elastomer layer; and (c) a space or seam between the layers, wherein to either the inner-top or the outer-bottom surface has been adhered a hydrophilicity promoting composition of (i) a polyvinyl alcohol or (ii) an alkyl-aryl compound or a siloxane compound having a pendent one to two oxy-polymers, or (iii) a quaternary amine including an alkyl of C8 to C24, wherein the oxy-polymer is (1) a poly-oxyalkylene polymer that is predominantly oxyethylene or (2) a polyvinyl alcohol, wherein the hydrophilicity promoting composition enhances the spreading in the space or seam of any of the hydrophilic or aqueous fluid that breaches the top or bottom elastomer layer.

(FR): La présente invention concerne, par exemple, un gant combiné comprenant : (a) une couche élastomère supérieure avec une surface intérieure, la couche élastomère supérieure étant translucide ou transparente ; (b) une couche élastomère inférieure avec une surface extérieure, la couche élastomère inférieure étant plus sombre que la couche élastomère supérieure ; et (c) un espace ou une soudure entre les couches, une composition favorisant l'hydrophilie ayant été collée à la surface intérieure supérieure ou à la surface extérieure inférieure, ladite composition comprenant (i) un alcool polyvinylique ou (ii) un composé alkyle-aryle ou un composé siloxane ayant un polymère pendent à un ou deux groupes oxy, ou (iii) une amine quaternaire comprenant un groupe alkyle en C8 à C24, l'oxy-polymère étant (1) un polymère de poly-oxyalkylène qui est principalement l'oxyéthylène ou (2) un alcool polyvinylique, la composition favorisant l'hydrophilie permettant d'améliorer l'étalement dans l'espace ou la soudure de l'un quelconque du fluide hydrophile et du fluide aqueux qui fuit à travers la couche élastomère supérieure ou inférieure.

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