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(71) Applicant *(for all designated States except US)*: **SLEEP DIAGNOSTICS PTY. LTD.** [AU/AU]; Suite 9, 150 Chestnut Street, Richmond, VIC 3121 (AU).

(72) Inventors; and
(75) Inventors/Applicants *(for US only)*: **JOHNS, Murray** [AU/AU]; Suite 9, 150 Chestnut Street, Richmond, VIC 3121 (AU). **BROWN, Aaron** [AU/AU]; Suite 9, 150 Chestnut Street, Richmond, VIC 3121 (AU).

(74) Agent: **MISCHLEWSKI, Darryl**; IP Strategies, PO Box 1254, Camberwell, VIC 3124 (AU).

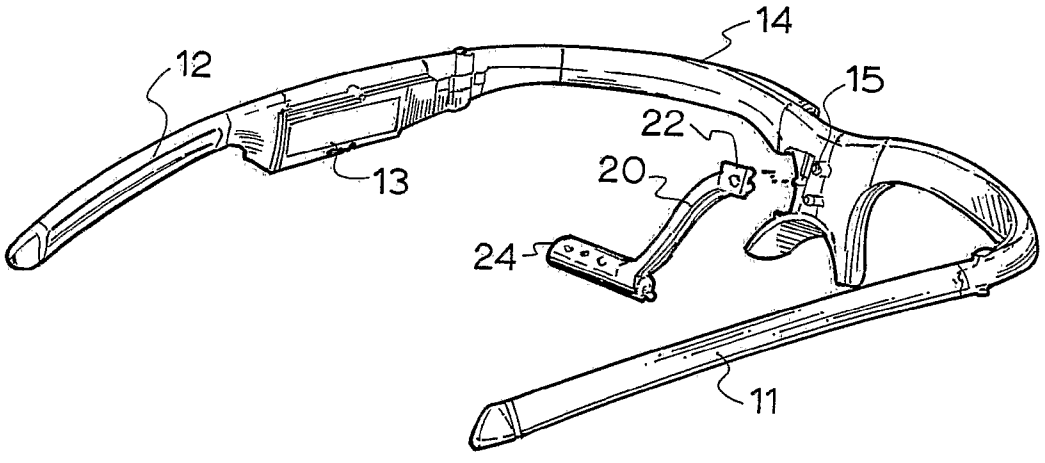
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(54) Title: ALERTNESS SENSING SPECTACLES



(57) Abstract: Spectacles for use in an eye monitoring system include a pair of ocular frames and a sensor unit adapted to be positioned adjacent an eye of the wearer. A nose bridge connects the ocular frames and incorporates an adjustment mechanism for adjusting the vertical position of the sensor unit relative to the eye. A frame arm extends from the outer edge of each ocular frame and is adapted to fit over the ear of a wearer. The sensor unit incorporates two infra red emitters at different angles and an infra red detector recessed into the surface of the unit to reduce the proportion of signal received by said detector which is not from the signal emitter reflected by the eye or eyelids.

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