

Title (en)
Therapeutic device

Title (de)
Therapiegerät

Title (fr)
Dispositif thérapeutique

Publication
EP 0856334 A3 19990512 (EN)

Application
EP 97310327 A 19971219

Priority
GB 9626446 A 19961220

Abstract (en)
[origin: EP0856334A2] A visual stimulation device for assisting in the lowering of a user's breathing rate by means of displaying a cyclical graphic representation on a display (6) comprising a grid of light emitting diodes (14). The representation comprises a bar graph adjacent bars of which are illuminated sequentially during a first display corresponding to user inhalation and extinguished during a second display corresponding to user exhalation. A third display corresponding to a rest period between inhalation and exhalation may also be provided. The display is controlled by circuitry (18) including a first circuit (27) which computes the user's rest breathing rate from data input by the user in a relaxed state and a further circuit containing display duration ratio information. The duration ratio of the first to the second to the third displays is substantially 40%; 50%; 10% and the display cycle corresponds to the user's rest breathing rate in breaths per minute minus one. <IMAGE>

IPC 1-7
A63B 23/18

IPC 8 full level
A63B 23/18 (2006.01)

CPC (source: EP)
A63B 23/185 (2013.01)

Citation (search report)

- [XY] US 3424147 A 19690128 - GIORDANO ETIENNE
- [XY] GB 935766 A 19630904 - ETIENNE GIORDANO
- [X] FR 2599629 A1 19871211 - BRUEY SA ELECTRO MECA PRECISIO [FR]
- [A] WO 9414374 A1 19940707 - DEFARES PETER BERNARD [NL], et al

Cited by
EP2022541A1; DE102009007934A1; EP1690493A1; EP1538970A4; US9642557B2; US11690530B2; US10531827B2; US10576355B2; WO2020146251A1; WO0119245A1; WO0059580A1; WO2020146259A1; US6436053B1; US6740046B2; US8183453B2; US10314535B2; US11617917B2

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