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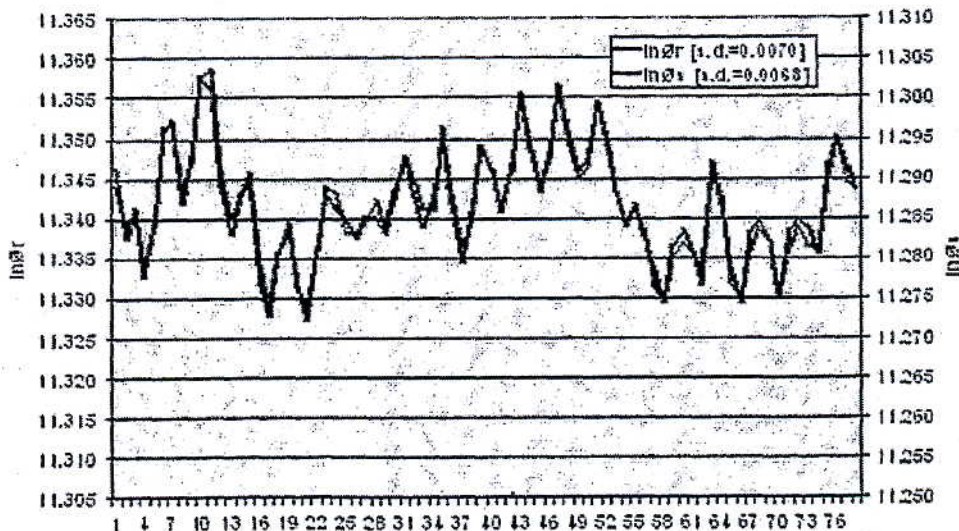
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(54) Title: APPARATUS AND METHOD FOR ENVIRONMENTAL MONITORING



(57) Abstract: Apparatus (1) for environmental monitoring, allowing to determine the mass concentration of air-dispersed particulate matter by operating or spy filters (F1-F6), comprising a beta radiation emitter (16) and detector (18) for detecting the mass of particulate matter settled on the operating or spy filters (F1-F6), wherein it is further provided the same beta measurement on spy filters (S 12-SI 6) exposed to the same environmental conditions of the operating filters (F1-F6) and the determination of in-air particulate matter concentration by compensation of the two measurements.

WO 2008/023325 A2