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(12) **ABSTRACT OF INVENTION**

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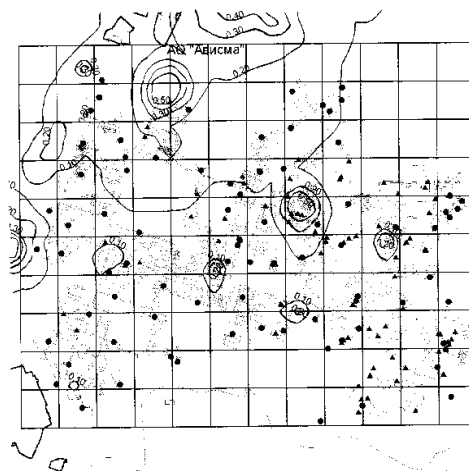
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(54) **METHOD OF ESTIMATING PUBLIC-HEALTH DAMAGE FROM HARMFUL ENVIRONMENTAL EFFECT OF ENTERPRISE EMISSIONS IN RESIDENTIAL AREAS**

(57) Abstract:

FIELD: environmental medicine.
SUBSTANCE: in order to establish environment-health cause-effect relation, enterprises' emission and pollutants' concentration in residential area are determined, presence and level of toxicants in body fluids of population are detected and measured. From these data, environmentally-linked pathology is revealed allowing percentage of environmentally-caused diseases to be stated. Environmentally-linked pathologies are correlated with pollutant concentrations measured and drawn on map with grid. Using map data and mathematical simulation technique, contribution of each pathology with regard to each pollutant, summary contribution of each enterprise in air pollution for each pollutant and for totality of pollutants are determined to estimate health damage caused by each enterprise. EFFECT: increased estimation accuracy. 1 dwg, 4 tbl



Изолинии рассеивания марганца (доля ЭДК)
Содержание марганца в волосах
▲ ниже контроля
● выше контроля
□ Регулярная сетка
▤ Жилая застройка
▨ Водные объекты
▭ Промышленные предприятия

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