THERAPEUTIC MOISTURE-ABSORBING INSOLES
WITH A HEAT-GENERATION EFFECT

Description
The insoles made of a new moisture-absorbing composite material effectively adsorb foot sweat with simultaneous heat generation, eliminate odor in footwear, and ensure a high level of foot comfort under low temperatures and strenuous exercise.

Technical appraisal and economic benefits
- Use of the insoles reduces the risk of cold-related sickness and foot skin fungus infection;
- insole properties are restored under drying (40-80 °C);
- the insoles have a long service life - not less than one year.

Application areas
The insoles are intended for military men, drill men, colliers, builders, sportsmen, and other categories of people who are exposed to low temperatures without a change of footwear for a long time.

Development stage
Batch production was launched in Novosibirsk.
A hygienic certificate was obtained.

Patent situation
Patents were granted in the Russian Federation (1995) and in the United States (1996).

Commercial offers
Co production.
Article delivery.

Estimated Cost
To be negotiated.
Contacts
Dr. Valentina I. Simagina, Head of Coordination Laboratory,
Boreskov Institute of Catalysis, Siberian Branch of the Russian Academy of Sciences
5, Prosp. Akademika Lavrentieva, Novosibirsk 630090, Russia
Phone: (383) 330-73-36
Fax: (383) 330-80-56
E-mail: bic@catalysis.nsk.su
http://www.catalysis.nsk.su