

Title (en)

Anti-NBC (nuclear, biological or bacteriological, chemical) overshoe and its manufacturing process.

Title (de)

Anti-ABC Überschuh (atomar, biologisch oder bakteriell, chemisch) und sein Herstellungsverfahren.

Title (fr)

Couvre-chaussure anti-ABC (atomique, biologique, chimique) et son procédé de fabrication.

Publication

EP 0174425 A2 19860319 (EN)

Application

EP 85102503 A 19850306

Priority

GB 8421895 A 19840830

Abstract (en)

The invention is characterised in that it comprises a textile insert (1) which is completely permeated by and embedded in the mixture (2) and is made inseparable from the latter by means of moulding and vulcanisation in an injection-moulding press with a closing pressure of approximately 200 atmospheres. This insert is embedded in the mixture in an asymmetrical manner, as a result of which externally the insert is covered with a thick layer of rubber, whereas internally the mixture permeates beyond the insert on account of the moulding pressure and reaches a reduced thickness of 0.1mm. Thus, unlike those of the prior art, anti-NBC overshoes are obtained which have an ergonomic shape, are without joints, and hence are practically impermeable to NBC aggressive agents, and which have excellent mechanical characteristics. They are used, in particular, for protection against the attacks of chemical, biological and bacteriological agents and for protection against thermonuclear radiation.

IPC 1-7

A43B 3/16; **A62B 17/00**

IPC 8 full level

A43B 3/16 (2006.01); **A62B 17/00** (2006.01)

CPC (source: EP)

A43B 3/16 (2013.01); **A62B 17/001** (2013.01); **A62B 17/006** (2013.01)

Cited by

DE3644996C2; DE202010014173U1

Designated contracting state (EPC)

DE FR IT

DOCDB simple family (publication)

EP 0174425 A2 19860319; **EP 0174425 A3 19870121**; **EP 0174425 B1 19910417**; CH 662253 A5 19870930; DE 174425 T1 19860925; DE 3582541 D1 19910523; GB 2163638 A 19860305; GB 2163638 B 19871223

DOCDB simple family (application)

EP 85102503 A 19850306; CH 587084 A 19841211; DE 3582541 T 19850306; DE 85102503 T 19850306; GB 8421895 A 19840830