

Title (en)

METHOD OF PRODUCING A SCREENING SMOKE WITH ONE-WAY TRANSPARENCY IN THE INFRARED SPECTRUM

Title (de)

VERFAHREN ZUR ERZEUGUNG EINES IM INFRAROTEN SPEKTRALBEREICH EINSEITIG TRANSPARENTEN TARNNEBELS

Title (fr)

PROCEDE DE PRODUCTION D'UN BROUILLARD DE CAMOUFLAGE UNILATERALEMENT TRANSPARENT DANS LA PLAGE SPECTRALE DES INFRAROUGES

Publication

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Application

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Abstract (en)

[origin: US6484640B1] The invention relates to a method of producing a screening smoke which is one-way transparent in the infrared spectrum (780 nm-14.0 µm) and opaque in the visible spectrum. According to the invention a known pyrotechnic screening smoke which is highly absorbent in the visible spectrum (380 nm-780 nm) is generated in the form of an aerosol, pyrotechnic scattered particles between 10 and 100 µm in size are simultaneously produced in said aerosol, and the resulting two-component smoke is irradiated by an infrared radiation source (spectrum: 780 nm-14.0 µm) from the smoke producer side.

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