

Title (en)
Radiation shielding viewing window

Title (de)
Strahlenschutzbeobachtungsfenster

Title (fr)
Hublot de protection contre les rayonnements

Publication
EP 0859371 A1 19980819 (FR)

Application
EP 98400305 A 19980211

Priority
FR 9701665 A 19970213

Abstract (en)
A window which allows visual observation while protecting the observer against neutrons and high energy radiation such as X-rays and gamma rays comprises an assembly of transparent, radiation absorbing sheets (2-6) sealed into a frame (7) by a mass of pourable and settable material (14) such as concrete. Also claimed is assembling the window by locating sheets (2-6) in frame (7) with their optical axis vertical and pouring material (14) to fill the space between the sheets and frame.

Abstract (fr)
L'invention concerne un hublot ou fenêtre de protection contre les rayonnements de cellules ou d'enceintes dans des installations nucléaires. Selon l'invention, le hublot est constitué d'au moins un bloc optique, conférant une protection contre les rayonnements à haute énergie et/ou neutroniques, et d'un cadre, l'espace entre le bloc optique et le cadre étant comblé par un matériau coulable et durcissable. <IMAGE>

IPC 1-7
G21F 7/03

IPC 8 full level
G21F 7/03 (2006.01)

CPC (source: EP US)
G21F 7/03 (2013.01 - EP US)

Citation (search report)
• [XAY] FR 1333746 A 19630802 - SAINT GOBAIN NUCLEAIRE
• [YA] PATENT ABSTRACTS OF JAPAN vol. 014, no. 415 (P - 1102) 7 September 1990 (1990-09-07)

Cited by
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