Title (en)
METHOD FOR MINIMIZING NITROGEN OXIDE GASES IN UNDERGROUND MINING AND TUNNEL CONSTRUCTION

Title (de)
VERFAHREN ZUR MINIMIERUNG NITROSER GASE IM UNTERTÄGIGEN BERG- UND TUNNELBAU

Title (fr)
PROCÉDÉ POUR RÉDUIRE AU MINIMUM LES VAPEURS NITREUSES DANS LE DOMAINE DE L'EXPLOITATION MINIÈRE SOUTERRAINE ET DU CREUSEMENT DE TUNNELS

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Abstract (en)
[origin: WO2011113408A2] In order to minimize nitrogen oxide gases in the air flows of underground mining and tunnel construction, a method and a system are provided, wherein the corresponding blasting fumes containing Nox components or the emissions of diesel generators are collected directly at the point of origin and then cleaned. The cleaning is performed in such a way that the maximum allowable concentration values as currently specified or as applicable in the future are adhered to. For this purpose, a targeted Nox cleaning is provided after the actual removal of the dust. Said targeted Nox cleaning ensures that the air cleaned in such a way can then return to the remaining air flow.

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