

Title (en)
SELF-CONTAINED DEVICE FOR GENERATING A VISCOUS FOAM

Title (de)
AUTONOME VORRICHTUNG ZUR ERZEUGUNG EINES VISKOSEN SCHAUMS

Title (fr)
DISPOSITIF AUTONOME DE GENERATION DE MOUSSE VISCOSEE

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Application
EP 22741339 A 20220614

Priority

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Abstract (en)
[origin: WO2022263765A1] The invention relates to a foam-generating device that is easily transportable, free of fluid or power supply constraints, and capable of providing a foam such as a viscous foam having high, time-invariant expansion (low liquid fraction). The gas is collected under pressure from a cylinder (2), and a fixed fraction of its flow is used to drive a pneumatic pump (5) which draws in the foaming liquid. The foam is formed in a mixer (6) containing freely moving solids shortly before the ejection end (7) of the apparatus. The mixer (6) has high-mobility beads in a much larger cage and is suitable for producing the high-expansion foam. The invention can be used for the decontamination and depollution of large areas, buildings or indoor or outdoor structures.

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