

Title (en)
Hand-held drain clearing device

Title (de)
Manuelle Vorrichtung zur Abflussreinigung

Title (fr)
Dispositif manuel de débouchement d'évacuation

Publication
EP 2278080 A1 20110126 (EN)

Application
EP 09009483 A 20090722

Priority
EP 09009483 A 20090722

Abstract (en)
A handheld drain clearing device includes a first compressed air collection chamber and a cylindrical chamber for housing a cylinder. The central axis of said cylindrical chamber coincides with the central axis of said first compressed air collection chamber. A second compressed air collection chamber is formed within said cylindrical chamber and extends into said first compressed air collection chamber. To operate, a user first pushes the air into the second compressed air collection chamber, and then further pushes said cylinder inward to force said compressed air through a gate, into the first compressed air collection chamber. Finally, use a trigger component to discharge the highly compressed air to clear the blockage.

IPC 8 full level
E03C 1/308 (2006.01); **B08B 9/032** (2006.01)

CPC (source: EP)
E03C 1/308 (2013.01)

Citation (applicant)
US 7350265 B2 20080401 - ZHANG YUN BING [CN]

Citation (search report)

- [X] EP 1059392 A2 20001213 - OTTO S R L [IT]
- [X] DE 252429 C
- [XA] US 5239708 A 19930831 - IRWIN LAWRENCE F [US]
- [A] US 6393625 B1 20020528 - TSAI JOHN [TW]
- [A] US 2707000 A 19550426 - PEEPS DONALD J

Cited by
CN109083256A; IL264438B1; IL264438B2; US10350656B2; US11235360B2

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

Designated extension state (EPC)
AL BA RS

DOCDB simple family (publication)
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