

Title (en)

AUGER FOR USE WITH TRENCHING ASSEMBLY

Title (de)

SCHNECKE ZUR VERWENDUNG MIT GRABENVORRICHTUNG

Title (fr)

TARIÈRE DESTINÉE À ÊTRE UTILISÉE AVEC UN ENSEMBLE D'EXCAVATION

Publication

**EP 2002062 A4 20140917 (EN)**

Application

**EP 07754235 A 20070327**

Priority

- US 2007007683 W 20070327
- US 74381606 P 20060327

Abstract (en)

[origin: US2007220783A1] A trenching assembly featuring a novel auger arrangement. The arrangement comprises an auger assembly and a digging chain rotatably connected to a trenching boom. The digging chain rotates, driven by a motor, to dislodge soil and creating a trench. The dislodged soil, or spoil, builds up near a projected path of the digging chain. The auger assembly operates to move the spoil from a projected path of the trench. The auger rotates independently from the digging chain and is positioned such that a projected width of the digging chain intersects a threaded length of the auger assembly. The auger may rotate faster than if driven by the digging chain, allowing the auger to have a smaller diameter than conventional augers. Further, the auger can be used in conjunction with a backfill blade to refill cleaned trenches without operation of the digging chain.

IPC 8 full level

**E02F 3/08** (2006.01); **E02F 3/06** (2006.01); **E02F 5/06** (2006.01); **E02F 5/12** (2006.01); **E02F 5/22** (2006.01)

CPC (source: EP US)

**E02F 3/06** (2013.01 - EP US); **E02F 3/08** (2013.01 - EP US); **E02F 3/083** (2013.01 - EP US); **E02F 5/06** (2013.01 - EP US); **E02F 5/12** (2013.01 - EP US); **E02F 5/223** (2013.01 - EP US)

Citation (search report)

- [XA] WO 9316330 A1 19930819 - TERRANALYSIS CORP [US]
- [XAI] DD 232325 A1 19860122 - STASSFURT VEB CHEMIEANLAGENBAU [DD]
- [X] US 3624935 A 19711207 - LAWRENCE ROBERT G
- [Y] FR 2642448 A1 19900803 - BLANC ROGER [FR]
- [Y] FR 1165659 A 19581028 - MATENIN ETS
- See references of WO 2007126890A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

**US 2007220783 A1 20070927**; AU 2007245082 A1 20071108; AU 2007245082 B2 20100715; CN 101421464 A 20090429; CN 101421464 B 20120815; EP 2002062 A1 20081217; EP 2002062 A4 20140917; HK 1131417 A1 20100122; WO 2007126890 A1 20071108; WO 2007126890 B1 20080103

DOCDB simple family (application)

**US 69195507 A 20070327**; AU 2007245082 A 20070327; CN 200780011213 A 20070327; EP 07754235 A 20070327; HK 09109549 A 20091015; US 2007007683 W 20070327