

Title (en)
Bucket excavator

Title (de)
Löffelbagger

Title (fr)
Pelle excavatrice

Publication
EP 1369535 B1 20071226 (DE)

Application
EP 03012596 A 20030603

Priority
DE 10224470 A 20020603

Abstract (en)
[origin: EP1369535A1] Shovel dredger comprises a shovel having a slotted hole screen base with several sieve bars arranged a distance apart and pivotably mounted at their front ends about a common axis. Adjacent sieve bars oscillate in different directions. The sieve bars oscillating in the same direction belong to a first (1a) or a second group. The sieve bars are hinged in a comb-like manner on fingers (13) forming a holder fixed on a shaft. Each sieve bar has a bearing bushing (1a') positioned on a shaft journal (21) by a needle bearing (25). The shaft journal and the bearing bushing each have a constant diameter. The bearing journal is provided with a central lubricant channel (21.2) leading from the outer periphery of the shaft journal and opening into a radial lubricant bore (21.3). O-ring seals (26) secured against axial displacement are attached by outer-lying adjusting rings (28) to both sides of the needle bearing.

IPC 8 full level
E02F 9/00 (2006.01); **E02F 3/40** (2006.01)

CPC (source: EP)
E02F 3/405 (2013.01); **E02F 3/407** (2013.01); **E02F 7/06** (2013.01); **E02F 9/006** (2013.01)

Cited by
US7661883B2; CN103603406A; CN101845836A; AT16650U1; US9546467B2

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