

Title (en)
APPARATUS FOR CONSOLIDATING SOIL

Publication
EP 0411560 A3 19910313 (EN)

Application
EP 90114666 A 19900731

Priority
• IT 348890 A 19900508
• IT 359289 A 19890803

Abstract (en)
[origin: EP0411560A2] The apparatus for consolidating soil comprises a mixing-disaggregation tool (15, 113) which is applied to the lower end of a vertical rotating shaft (7, 108) which, after being placed at a point of the region of the soil to be consolidated, is caused to advance into the soil with the simultaneous introduction of air and, if necessary, of water. Once the required depth has been reached, a consolidating agent is introduced in the soil through appropriate holes (19, 24, 183) defined proximate to the disaggregation-mixing tool (15, 113) while the lifting of the tools is simultaneously performed.

IPC 1-7
E02D 19/16; **E02D 19/18**; **E02D 3/00**; **E02D 3/12**

IPC 8 full level
E02D 3/12 (2006.01)

CPC (source: EP)
E02D 3/126 (2013.01)

Citation (search report)
• [Y] DE 2938564 A1 19810409 - SANWA KIZAI K K [JP]
• [Y] US 4302132 A 19811124 - OGAWA TAIHEI, et al
• [A] US 4606675 A 19860819 - MITANI TAKESHI [JP], et al
• [A] GB 1374705 A 19741120 - LINDEN ALIMAK AB

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US6517292B1; EP1748110A3; ES2125116A1; US7090436B2; AU2005269461B2; EP2395153A1; EP1771627A4; NO340102B1; GB2253424A; FR2673652A1; GB2253424B; ES2065795A2; CN107476774A; WO2006014926A1; WO0026477A1; WO2007095123A2; US7341405B2; WO2007095123A3; WO9302257A1

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