

Title (en)  
Ground improvement

Title (de)  
Verfahren zur Verbesserung eines Baugrundes

Title (fr)  
Procédé de compaction du sol

Publication  
**EP 1382750 A1 20040121 (EN)**

Application  
**EP 03254512 A 20030718**

Priority  
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Abstract (en)  
Pillar structures 56 are formed by repeatedly vibrating an elongate lance member down into the ground and withdrawing, filling the resultant cavity with additional material (preferably ameliorated soil) and reintroducing the lance, to cause compaction of the material. A large weight is dropped at the top of each pillar, to flare out the surface region. A pavement 52 is then formed at the surface, by rotavation of the surface layer while mixing in further ground amelioration material. The result is a form of vaulted construction which can be used as a base for building etc. <IMAGE>

IPC 1-7  
**E02D 3/054**; **E02D 3/08**; **E02D 3/02**

IPC 8 full level  
**E01C 3/04** (2006.01); **E01C 7/36** (2006.01); **E02D 3/054** (2006.01); **E02D 3/08** (2006.01)

CPC (source: EP)  
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Citation (search report)  
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