

Title (en)  
Sectional concrete piles

Title (de)  
Betonpfähle in Abschnitten

Title (fr)  
Pieux en béton modulaires

Publication  
**EP 0691434 A1 19960110 (EN)**

Application  
**EP 95304745 A 19950707**

Priority  
GB 9413742 A 19940707

Abstract (en)  
A concrete pile section (1,2) comprises an elongate body of reinforced concrete having a socket (5) at its top end and a spigot (6) at its bottom end which are shaped and relatively dimensioned such that when the spigot (6) at the bottom of one such section (1,2) is fully inserted into the socket (5) at the top of another such section (1,2) to form a joint there is an interference fit between the spigot (6) and socket (5) in at least two zones (7,8) spaced apart along the length of the joint but a clearance fit in at least a third zone (9) spacing the said two zones (7,8). The socket (5) is reinforced by at least one hoop member (13,14) in each of these two zones (7,8), preferably by a separate circular hoop member (19,20) embedded in the concrete in each of the zones (7,8). If desired, a resinous adhesive or a non-shrink grout may occupy the clearances in the third zone (9) and/or elsewhere. Even without such adhesive, however, the interference fit in the first and second zones (7,8) creates an immediate frictional engagement so that installation of the pile can continue immediately. <MATH>

IPC 1-7  
**E02D 5/52**

IPC 8 full level  
**E02D 5/52** (2006.01)

CPC (source: EP)  
**E02D 5/523** (2013.01)

Citation (search report)  
• [A] GB 521683 A 19400528 - VICTOR CLARENCE DUDLEY RICHES  
• [A] FR 2343865 A1 19771007 - QUADER ETS [LI]  
• [A] NL 120209 C  
• [A] EP 0244261 A1 19871104 - PILECON ENGINEERING BERHAD [MY]

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