

Title (en)
Z SHAPED SHEET-PILE HAVING A HIGH RESISTANCE MODULUS

Title (de)
Z-FÖRMIGES SPUNDWANDELEMENT MIT ERHÖHTEM WIDERSTAND

Title (fr)
PALPLANCHE EN FORME DE "Z" A MODULE DE RESISTANCE ELEVE

Publication
EP 0895556 B1 20010801 (FR)

Application
EP 97901012 A 19970113

Priority

- EP 9700125 W 19970113
- LU 88747 A 19960424

Abstract (en)
[origin: WO9740232A1] A hot-rolled Z-shaped sheet-pile is comprised of two wings (12', 12") and a web (10) delimited by two substantially planar faces (18', 18"). The web (10) defines a sharp angle $\alpha < 75$ DEG with a plane (16) parallel to the external faces (14', 14") of the wings (12', 12"). In order to increase the resistance modulus of said sheet-pile without having to increase the thickness of the wings (12', 12") or the rolling width, each of the two wings (12', 12") has an extension (22', 22") projecting with respect to the imaginary plane (24', 24") which prolongs the planar face (18', 18") of the web situated on the same side as the external face (14', 14") of the respective wing. Thereby, it is possible to roll sheet-piles having a resistance modulus per wall length unit $> 4800 \text{ cm}^3/\text{m}$ and a specific resistance modulus of about $20 \text{ (cm}^3/\text{m)/kg/m}^2$.

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E02D 5/04

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WO 9740232 A1 19971030; AU 1441297 A 19971112; CZ 295754 B6 20051012; CZ 338298 A3 19990616; DE 69705944 D1 20010906; DE 69705944 T2 20020328; EP 0895556 A1 19990210; EP 0895556 B1 20010801; ES 2160318 T3 20011101; JP 2000508728 A 20000711; JP 3739096 B2 20060125; KR 100432189 B1 20041006; KR 20000005009 A 20000125; LU 88747 A1 19970221; PL 183928 B1 20020830; PL 329602 A1 19990329; RU 2167239 C2 20010520; TW 360736 B 19990611; UA 54424 C2 20030317

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