

Title (en)  
REUSABLE METAL SHEET PILE

Title (de)  
WIEDERVERWENDBARER BLECHSTAPEL

Title (fr)  
PALPLANCHE MÉTALLIQUE RÉUTILISABLE

Publication  
**EP 4065775 A1 20221005 (EN)**

Application  
**EP 19813945 A 20191125**

Priority  
IB 2019060119 W 20191125

Abstract (en)  
[origin: WO2021105740A1] The invention relates to a metal sheet pile comprising inclined flanges whose extremities are inclined at an angle  $\alpha$  of at least  $97^\circ$  with respect to the neutral axis P1 and are extended by an interlock comprising consecutively: - A bottom part comprising an internal side and an external side separated by a radial thickness T1, the internal side extending along a first portion of circle whose center lies in a plane P2 perpendicular to plane P1 and whose radius of curvature R1 satisfies inequation (i) :  $1.5 \leq R1/T1 \leq 5$  and the external side extending along a second portion of circle whose center lies in plane P2 and whose radius of curvature R2 is at least equal to  $R1+T1$ , - A finger having a projected width W1 on plane P1, the fingertip being separated from the inclined flange by distance W2, W1 and W2 satisfying the inequation (ii):  $1.2 \leq W1/W2 \leq 1.7$

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Citation (search report)  
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