

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
26 July 2007 (26.07.2007)

PCT

(10) International Publication Number
WO 2007/082619 A1

(51) International Patent Classification:
E02D 5/04 (2006.01)

(21) International Application Number:
PCT/EP2006/069920

(22) International Filing Date:
19 December 2006 (19.12.2006)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
10 2006 002 241.6 17 January 2006 (17.01.2006) DE
91 227 9 March 2006 (09.03.2006) LU

(72) Inventor; and

(75) Inventor/Applicant (for US only): HERMES, Aloyse
[LU/LU]; Rue Belair, 30, L-4514 Differdange (LU).

(74) Agents: SCHMITT, Armand et al.; Office Ernest T.
Freylinger S.A., B.P. 48, 234, route d'Arlon, L-8001
Strassen (LU).

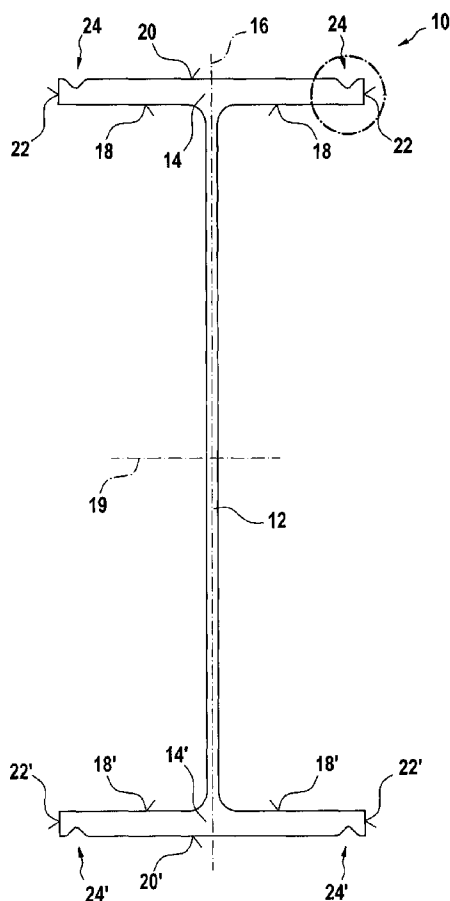
(81) Designated States (unless otherwise indicated, for every
kind of national protection available): AE, AG, AL, AM,
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,
GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS,
JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS,
LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MY,
MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS,
RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN,
TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every
kind of regional protection available): ARIPO (BW, GH,
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),

[Continued on next page]

(71) Applicant (for all designated States except US):
ARCELOR PROFIL LUXEMBOURG S.A. [LU/LU];
66, route de Luxembourg, L-4009 Esch sur Alzette (LU).

(54) Title: SHEET PILE IN DOUBLE-T FORM



(57) Abstract: A steel sheet pile in double-T form comprises a web 12 and two flanges 14, 14', in which each flange 14, 14' has an inner side 18, 18' facing the web 12, an outer side 20, 20' facing away from the web, and two longitudinal edges 22, 22', and also coupling means for a connection profile along at least one longitudinal edge 22, 22' of at least one flange 14, 14'. In a first embodiment, the coupling means are formed by a groove 24, 24' which extends in the outer side 20, 20' of at least one flange 14, 14' along at least one longitudinal edge 22, 22'.



European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

Published:

— *with international search report*