

Title (en)  
METHOD FOR BENDING SHEETS AND DEVICE FOR IMPLEMENTING THE METHOD

Publication  
**EP 0031822 B1 19830504 (DE)**

Application  
**EP 80901210 A 19810209**

Priority  
AT 481579 A 19790710

Abstract (en)  
[origin: WO8100222A1] This method is used for bending sheets having a continuous profile in one direction, for example sheets having a trapezoidal or rectangular profile. In order to achieve an economical bending of such sheets without decreasing their strength, continuous longitudinal edges (5) are formed in sheet (1) during the bending operation at least in the area where compression strains appear during bending, i.e. in the compression stress domain; possibly these edges are reinforced existing edges. A device may be used for implementing the method; this device is made of a pair of moving cylinders (6 + 7), of a stationary cylinder (6) and of an adjustable cylinder (7) as well as of at least one bending adjustable cylinder (8, possibly 9) possibly located behind the pair of cylinders (6 + 7). All cylinders (6, 7, 8, 9) have a profile corresponding to the sheet profile and cylinders (6, 7) of the pair, at least, are profiled in accordance with the longitudinal edges formed on sheet (1).

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IPC 8 full level  
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**WO 8100222 A1 19810205**; AR 220850 A1 19801128; AT 359805 B 19801210; AT A481579 A 19800415; AU 546944 B2 19850926; AU 6057180 A 19810213; BE 884095 A 19801016; BG 42183 A3 19871015; BR 8008743 A 19810505; CA 1136531 A 19821130; CS 220329 B2 19830325; DD 151885 A5 19811111; DE 3062964 D1 19830609; DK 106781 A 19810309; DK 154479 B 19881121; DK 154479 C 19890410; EP 0031822 A1 19810715; EP 0031822 B1 19830504; ES 493078 A0 19810701; ES 8105592 A1 19810701; GR 69202 B 19820506; HU 178885 B 19820728; IT 1127522 B 19860521; IT 8049187 A0 19800708; MX 154475 A 19870828; NO 151576 B 19850121; NO 151576 C 19850508; NO 810788 L 19810309; OA 06578 A 19810831; PL 225559 A1 19810807; PT 71505 A 19800801; US 4619131 A 19861028; YU 175180 A 19841231; YU 44191 B 19900430; ZA 804046 B 19810225

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**AT 8000023 W 19800707**; AR 28168780 A 19800708; AT 481579 A 19790710; AU 6057180 A 19800707; BE 201248 A 19800630; BG 4840980 A 19800707; BR 8008743 A 19800707; CA 355882 A 19800710; CS 471980 A 19800702; DD 22245680 A 19800707; DE 3062964 T 19800707; DK 106781 A 19810309; EP 80901210 A 19810209; ES 493078 A 19800703; GR 800162325 A 19800701; HU 170380 A 19800708; IT 4918780 A 19800708; MX 18311080 A 19800710; NO 810788 A 19810309; OA 57161 A 19800709; PL 22555980 A 19800709; PT 7150580 A 19800707; US 58077384 A 19840221; YU 175180 A 19800708; ZA 804046 A 19800704