

Title (en)

METHOD AND APPARATUS FOR ROLLING PLATE TO FORM A SUBSTANTIALLY CYLINDRICAL ARTICLE

Publication

EP 0029345 B1 19840502 (EN)

Application

EP 80304061 A 19801113

Priority

AU PE134279 A 19791115

Abstract (en)

[origin: EP0029345A2] Plate is rolled to form a substantially cylindrical article on apparatus comprising a support bed for the plate (13), a rotatable mandrel (20) with a gripper (36) for engaging an edge of the plate (13), and pressure rollers (17, 18) adjacent the mandrel (20) to engage said plate. An edge of the plate (13) is engaged by gripper (36) and the mandrel (20) is rotated to advance the plate (13) past said pressure rollers (17, 18) to curve the plate into a cylinder shape, the mandrel (20) and said pressure rollers (17, 18) are relatively movable to create a force on the advancing plate (13) at least during the final stages of rolling to prevent relative movement of the plate (13) and mandrel (20).

IPC 1-7

B21C 37/08; **B21D 5/10**

IPC 8 full level

B21C 37/08 (2006.01); **B21D 5/10** (2006.01); **B21D 5/14** (2006.01)

CPC (source: EP)

B21D 5/143 (2013.01)

Cited by

GB2291609A; EP0182868A4; ITMI20111382A1; CN111318596A; ITMI20091174A1; CN105013890A; ITMI20111384A1; CN104690431A; EP0049079A1; ITMI20111380A1; WO2011001279A1; WO9422608A1; TWI610778B

Designated contracting state (EPC)

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EP 0029345 A2 19810527; **EP 0029345 A3 19811104**; **EP 0029345 B1 19840502**; AR 225199 A1 19820226; AT E7274 T1 19840515; BR 8007426 A 19810526; CA 1138761 A 19830104; JP S56111524 A 19810903; JP S6321570 B2 19880507; NZ 195554 A 19841019; PH 23274 A 19890623; ZA 807076 B 19811125

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EP 80304061 A 19801113; AR 28326280 A 19801117; AT 80304061 T 19801113; BR 8007426 A 19801113; CA 364652 A 19801114; JP 16064380 A 19801114; NZ 19555480 A 19801114; PH 24858 A 19801114; ZA 807076 A 19801114