

Title (en)

METHOD, APPARATUS AND FORMING ROLL FOR FORMING MATERIAL WITH A BIDIRECTIONAL PERIODICITY

Publication

EP 0068633 A3 19830720 (EN)

Application

EP 82302655 A 19820524

Priority

JP 9300281 A 19810618

Abstract (en)

[origin: EP0068633A2] A sheet material (6) is passed between a pair of forming rolls (7, 8) having working surfaces with forming teeth of a wave-shape which has a periodicity within two mutually perpendicular sections. The rolls are constructed from elements in the form of helical spur gears (3) keyed on a common shaft (5) and may be interspersed with straight spur gears (4). This permits the continuous formation of a structural material having a bidirectional periodicity, that is a material (1) having a wave-form construction within each of two mutually perpendicular sections. The pitch of the wave-form can be altered by changing the depth of action between the rolls. Such bidirectional material can have a structural performance comparable with that of a honeycomb sandwich material and has many other uses.

IPC 1-7

B21D 13/04

IPC 8 full level

B21D 13/04 (2006.01)

CPC (source: EP)

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Citation (search report)

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