

Title (en)
Rolling group for high reductions

Title (de)
Walzgruppe für grosse Stärkenabnahmen

Title (fr)
Groupe de laminoirs pour hautes réductions

Publication
EP 0692320 A1 19960117 (EN)

Application
EP 95110406 A 19950704

Priority
IT UD940120 A 19940711

Abstract (en)
Universal rolling-mill of the type with rolling rollers on planetary system, involving four opposite planetary wheels (1,2,3,4), identical and symmetric, each comprising a solar wheel that bears satellites rolling-mill rollers (r), characterized in that: two planetary couples of opposite rolling are used which rotation axis lie on the same orthogonal plane as or substantially adjacent to the laminate to be reduced; said satellites rolling-mill rollers of each planetary system, are spaced out with a value such to allow the orthogonal rolling-mill interference to not be in the same plane as satellites rolling-mill rollers of the other couple; a planetary couple is in staggered synchronism in the rotation for the rolling; in such a way that in a single rolling phase one has the rolling alternation of the respective satellites rolling-mill rollers of the opposite couples as in a gear, causing the laminate to undergo some progressive reductions of orthogonal section in an orthogonal way also alternating, during the contemporary, but staggered, rotation of said opposite planetary couples. <MATH>

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B21B 13/20; **B21B 13/10**

IPC 8 full level
B21B 13/10 (2006.01); **B21B 13/20** (2006.01); **B21B 1/08** (2006.01); **B21B 35/12** (2006.01)

CPC (source: EP)
B21B 13/103 (2013.01); **B21B 13/20** (2013.01); **B21B 1/08** (2013.01); **B21B 35/12** (2013.01); **B21B 2013/106** (2013.01)

Citation (search report)
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• [XY] "Les Laminoirs Planétaires Sendzimir", LA TECHNIQUE MODERNE, vol. 46, no. 11, pages 433 - 438
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Designated contracting state (EPC)
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