

Title (en)
STAMPING PRESS ARRANGEMENT

Title (de)
STANZPRESSENANORDNUNG

Title (fr)
SYSTÈME DE PRESSES À DÉCOUPER

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Application
EP 15705482 A 20150211

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Abstract (en)
[origin: WO2016127263A1] The invention relates to a stamping press arrangement comprising a plurality of first stamping press units (4a, 4b, 4c) arranged adjacent to one another, which have working directions (B) extending parallel in relation to each other in a common plane, and comprising a second stamping press unit (8), the working direction (A) of which extends perpendicularly in relation to the working directions (B) of the first stamping press units (4a, 4b, 4c), such that material processed in said stamping press unit (8) can be guided in the direct extension of the working direction (A) thereof into the working regions of the first stamping press units (4a, 4b, 4c). The stamping press units (4a, 4b, 4c, 8) each have a crankshaft portion or eccentric shaft portion (28a, 28b, 28c, 30), by means of which the travel movement of the press ram (1a, 1b, 1c, 5) is effected via a connecting rod (29a, 29b, 29c, 31a, 31b). The crankshaft portion or eccentric shaft portion (28a, 28b, 28c, 30) of the first stamping press units (4a, 4b, 4c) are driven forcibly together via a common drive unit (24, 25, 26) with the same speed and comprise a common axis of rotation (R1). The crankshaft portion or eccentric shaft portion (30) of the stamping press unit (8) is coupled to the crankshaft portion or eccentric shaft portion (28a, 28b, 28c) of the first stamping press units (4a, 4b, 4c) so as to forcibly rotate therewith in a synchronous manner. The invention allows high-precision and high-speed stamping press arrangements to be provided for economically mass-producing multi-part stamping and shaped and punched products which have low tolerances, such as container lids with press-in or pull tabs (EOEs) for opening without tools, in a cost-effective manner.

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