

Title (en)

METHOD AND DEVICE FOR PRESSURE AMPLIFICATION IN CYLINDERS, IN PARTICULAR HYDRAULIC RAMS

Title (de)

VERFAHREN UND VORRICHTUNG ZUR DRUCKERHÖHUNG IN ZYLINDERN, INSBESONDERE HYDRAULISCHEN STEMPELN

Title (fr)

PROCEDE ET DISPOSITIF PERMETTANT L'AUGMENTATION DE PRESSION DANS DES CYLINDRES, EN PARTICULIER DES ETANCONS HYDRAULIQUES

Publication

**EP 1597484 A1 20051123 (DE)**

Application

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Priority

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Abstract (en)

[origin: WO2004072486A1] A method and corresponding cylinder (1) for pressure amplification in cylinders are disclosed, characterised in that a second pressurising piston (16) with a small piston rod (17) is arranged within the cylinder (1), in other words, within the cylinder housing (3), by means of which the piston surface cavity (8) in the vicinity of the piston (5) or the pressure medium present there can be further compressed. It is thus possible to increase the stroke displacement where required or to increase the pressure within the cylinder (1). Further advantages can also be achieved with the above.

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IPC 8 full level

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