

Title (en)  
HYDRAULICALLY-OPERATED CASTING UNIT

Title (de)  
HYDRAULISCH BETÄTIGTE GIESSEINHEIT

Title (fr)  
UNITE DE COULEE A ACTIONNEMENT HYDRAULIQUE

Publication  
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Application  
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Abstract (en)  
[origin: WO2006039921A2] The invention relates to a hydraulically-operated casting unit, comprising a casting cylinder, the cylinder of which is effective in the extension direction and may be connected, during a form filling phase, to a low pressure reservoir and, in a pressure phase, to a high pressure reservoir, by means of a control valve arrangement. An annular chamber of the casting cylinder, acting in the withdrawal direction, may be pressurised before a pre-filling phase with a counter-pressure. According to the invention, said counter-pressure is applied by means of a high-pressure pump which may be connected directly to the annular chamber of the casting cylinder by means of a counter-pressure valve.

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