1024-13-122 Lee C. Klingler* (klingler@fau.edu), Department of Mathematical Sciences, Florida Atlantic University, Boca Raton, FL 33431. The ordered group of invertible ideals of a Prüfer domain of finite character.

Let D be a Prüfer domain and $\{\mathfrak{m}_i\}_{i\in I}$ the collection of all maximal ideals of D. If $\mathfrak{I}(D)$ is the multiplicative group of all invertible ideals of D, then there is a natural group homomorphism from $\mathfrak{I}(D)$ into the direct product $\prod_{i\in I} G_i$, where G_i is the value group of the valuation associated with $D_{\mathfrak{m}_i}$, for each index i. In joint work with J. Brewer, we show that this map is an isomorphism from $\mathfrak{I}(D)$ onto the direct sum $\prod_{i\in I} G_i$ if and only if D is h-local. (Received January 04, 2007)